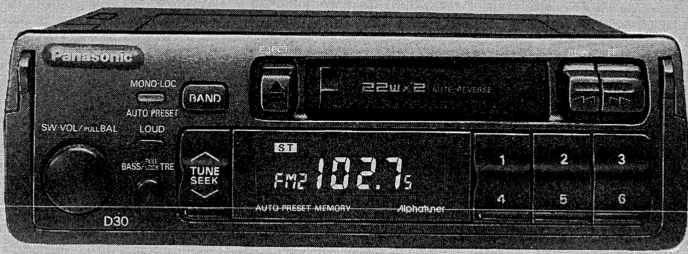
ORDER NO. APD9108003

Service Manual

AUTO PRODUCTS

CQ-D30ENI

Digital Control Receiver / Cassette Player


Panasonic
MONO·LOC
BAND
AUTO PRESET
SW·VOL/PULL BAL
LOUD
BASS/TRE
TUNE
SEEK
ST
FM2 102.7
AUTO PRESET MEMORY
Alphatuner
22W×2 AUTO REVERSE
1
2
3
4
5
6
D30

Specifications

General

Power Supply : DC 12V (11V - 16V), Test Voltage 14.4V, Negative Ground

Tone Controls : Bass; ± 10dB at 100Hz
Treble; ± 10dB at 10kHz

Loudness Control : + 8dB at 100Hz,
+ 6dB at 10kHz

Current Consumption : Less than 1.5A (at 0.5W)

Maximum Power Output : 2 × 22W (at 4Ω)
Power Output : 2 × 15W (DIN45 324 at 4Ω)

Speaker Impedance : 4Ω (4 - 8Ω available)
Dimensions (Main unit) : 178(W) × 50(H) × 150(D) mm
(Bracket) 182(W) × 53(H) × 155(D) mm
Weight (Main unit) : 1.45kg
(Bracket) 0.35kg

FM Stereo Radio

Frequency Range : 87.5 - 108MHz
Usable Sensitivity : 6dB/μV (S/N 30dB)
Stereo Separation : 35dB (at 1kHz)

AM Radio

Frequency Range : 531 - 1,602kHz
Usable Sensitivity : 30dB/μV (S/N 20dB)

Cassette Player

Reproduction System : 4-track, 2-program stereo
Tape Speed : 4.75cm/sec.
FF/Rewind Time : Less than 100sec.
Frequency Response : 35 to 14,000Hz ±3dB
Wow and Flutter : 0.12% (WRMS)
Signal to Noise Ratio : 52dB

Note:
Specifications and the design are subject to possible modification without notice due to improvements.

Panasonic

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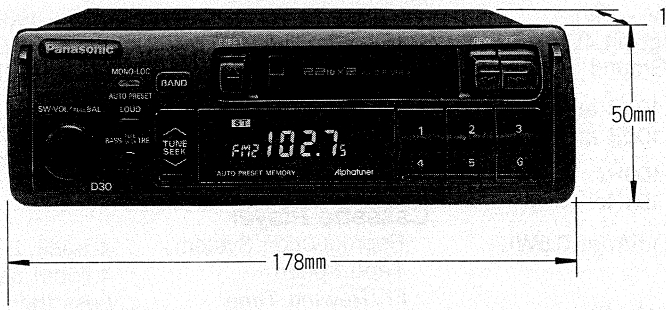
DIMENSIONS



Panasonic
MONO·LOC
BAND
AUTO PRESET
SW·VOL·FAD·BAL
LOUD
BASS·TRE
TUNE SEEK
ST
FM2 102.7
AUTO PRESET MEMORY
Alphatuner
1
2
3
4
5
6
D30
150mm
50mm
178mm

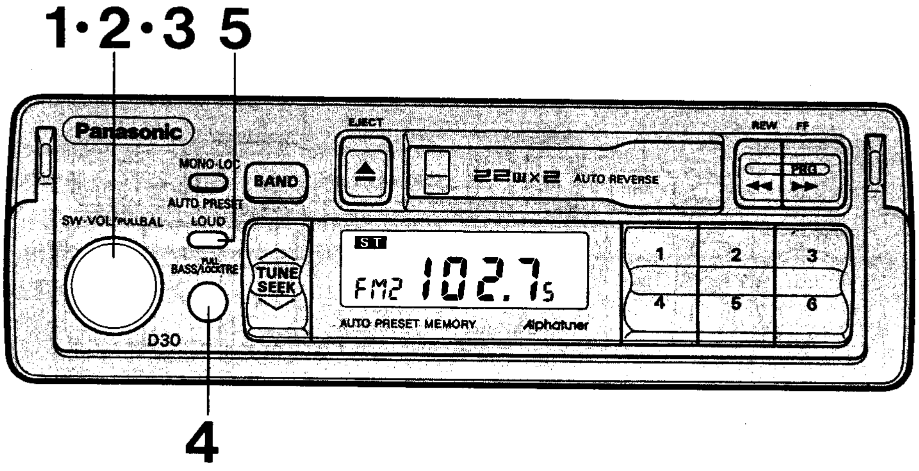
WARNING !

Lithium batteries. Explosion danger.
Change of batteries must only be done by qualified personnel and as described in the service manual.
Furthermore, that the batteries must only be changed with batteries of the same manufacture and type.

ADVARSEL !

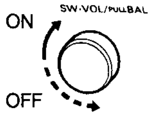
Lithiumbatterier. Eksplosionsfare.
Udskiftning må kun foretages af en sagkyndig og som beskrevet i servicemanualen.
Batterierne kun må udskiftes med batterier af samme fabrikat og type.

Common Operating Procedures


1·2·3
5
4
Panasonic
MONO·LOC
AUTO PRESET
LOUD
SW·VOL/PULL BAL
PULL BASS/LOCK TRE
D30
BAND
EJECT
22W×2 AUTO REVERSE
REW FF
PRG
ST
FM2 102.7
TUNE SEEK
AUTO PRESET MEMORY
Alphatuner
1
2
3
4
5
6

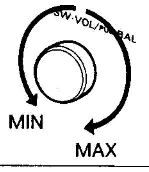
1 First time use:

Turn the knob clockwise to switch on the power.


SW·VOL/PULL BAL
ON
OFF

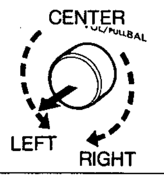
2 To adjust the volume:

Turn the knob clockwise to increase volume; and counterclockwise to decrease volume.


SW·VOL/PULL BAL
MIN
MAX

3 To adjust the left/right speakers balance:

Pull the knob and turn it.


CENTER
VOL/PULL BAL
LEFT
RIGHT

4 To adjust the bass and treble:

Bass control: Turn the knob to adjust bass response.

BASS/LOCK TRE
MIN
MAX

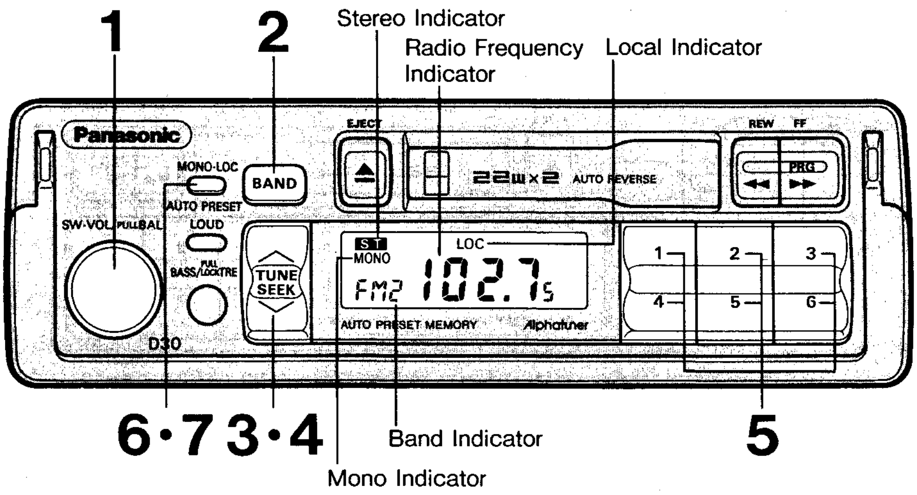
Treble control: Pull and lock the knob and turn to adjust treble response.

BASS/LOCK TRE
MIN
MAX

5 To emphasize bass/treble at low/medium volume levels:

- Press the LOUD button to switch on the loud feature. The bass and treble characteristics will be emphasized when listening at low or medium volume levels.
- Press the LOUD button again to turn off the loud function.

Radio Play Operations


1
2
Stereo Indicator
Radio Frequency Indicator
Local Indicator
Panasonic
EJECT
REW
FF
MONO·LOC
AUTO PRESET
BAND
SW·VOL PULL BAL
LOUD
FULL BASS/LOCK TRE
TUNE SEEK
22W×2 AUTO REVERSE
PRG
ST
MONO
LOC
FM2 102.7
AUTO PRESET MEMORY
Alphatuner
D30
1
2
3
4
5
6
6·7
3·4
Band Indicator
Mono Indicator
5

1 Turn the knob clockwise to switch on the power.

2 To select the desired band

Each time this button is pressed the band will change in the following order:

FM1 → FM2 → FM3 → AM

Initial operation is preset for FM1 band.

3 Manual tuning

By pressing the "∨TUNE/SEEK" or "TUNE/SEEK∧" button, you can tune the frequency downward or upward.

4 Seek tuning

Press "∨TUNE/SEEK" or "TUNE/SEEK∧" button for more than a half second, seek tuning will operate and stop automatically on the next strong station. Continue this operation until you find the desired station.

5 To tune in a preset station

Press the preset buttons to recall the previous preset stations. (See page 6.)

6 To reduce interference during FM stereo broadcasts (MONO Button)

Press the MONO button to switch monaural reception in case much interference is present in an FM stereo signal or to improve the listening quality of weak FM broadcasts.

7 Switch from DX to LOC

Normally, searching stops even at a weak wave station.

To stop searching at a strong wave station only, press this button.

For items 6 and 7

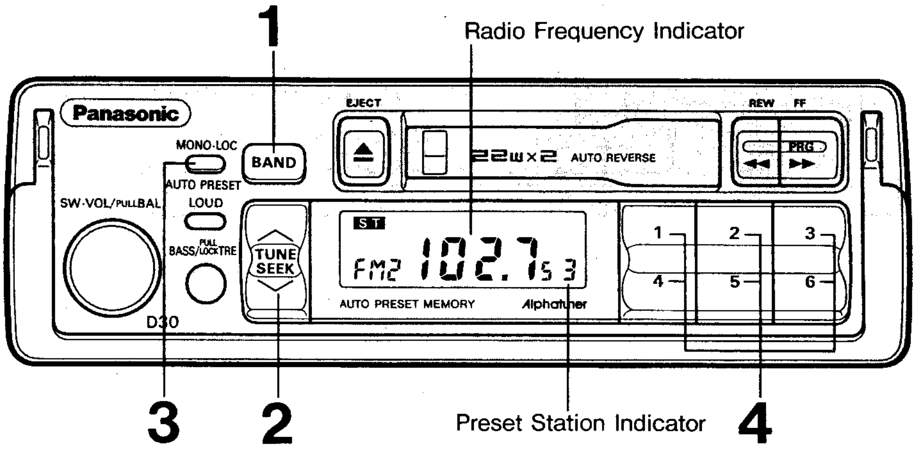
Modes are switched in the following sequence when the MONO·LOC button is pressed repeatedly.

MONO OFF DX MODE → MONO ON DX MODE → MONO ON LOC MODE → MONO OFF LOC MODE

Preset Station Setting

Up to 24 stations can be preset in the station memory as follows;

FM1	FM2	FM3	AM
6 stations	6 stations	6 stations	6 stations


1
Radio Frequency Indicator
Panasonic
MONO·LOC
BAND
AUTO PRESET
LOUD
SW·VOL/PULLBAL
PULL BASS/LOCKTRE
TUNE SEEK
EJECT
22W×2 AUTO REVERSE
REW FF
PRG
ST
FM2 102.7 3
AUTO PRESET MEMORY
Alphatuner
1 2 3 4 5 6
D30
3
2
Preset Station Indicator
4

1 To select the desired band

Press this button to select FM1, FM2, FM3 or AM mode.

2 To tune in the station you want to listen to.

You can tune in a desired station either by manual tuning or seek tuning.

3 Auto preset – Preset Scan

Hold this button for at least 2 seconds. Up to 6 strongest stations along the frequency band (from the strongest frequency to the next stronger frequency in sequential order) will automatically preset into six preset buttons (1-6). Scan will immediately follow from preset number 1 as soon as the auto preset is completed. Press the desired preset button (1-6) when reaching the desired station. This can be done on any band.

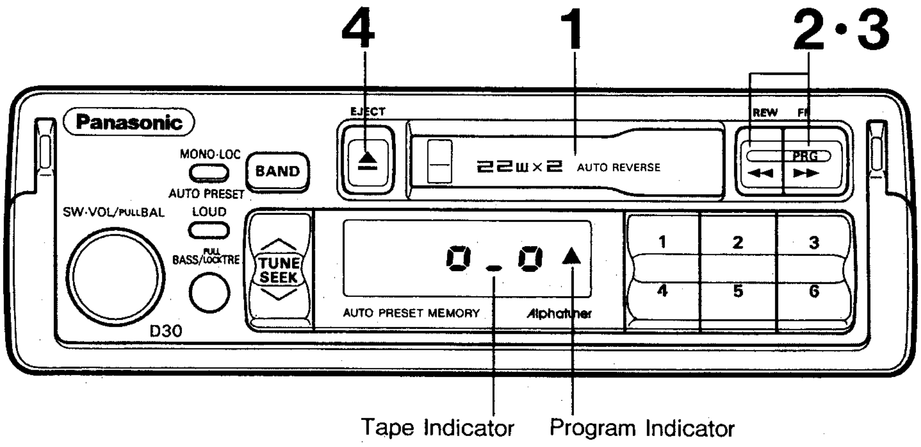
Note: FM1, FM2 and FM3 cannot be scanned continuously.

4 To memorize the station in the memory.

Press one of the preset buttons for several seconds. Release when the radio frequency blinks once. The memory has been set.
Preset other stations on other bands in the same manner.

Note: If any of these station selectors is accidentally pressed and held for several seconds, the previously preset station will be erased; instead, a different station will be registered into that memory circuit in which the band is playing.

Tape Play Operations


4
1
2·3
EJECT
REW
FF
PRG
Panasonic
MONO·LOC
BAND
AUTO PRESET
SW·VOL/PULL BAL
LOUD
PULL BASS/LOC·TRE
TUNE SEEK
22W×2
AUTO REVERSE
0 _ 0 ▲
AUTO PRESET MEMORY
Alphatuner
1
2
3
4
5
6
D30
Tape Indicator
Program Indicator

1 Cassette Slot

- Insert the cassette with the exposed tape side facing to the right. Gently push the cassette in until the mechanism captures the cassette.
- After the loading is completed, the display changes to " 0 _ 0 " or " 0 ‾ 0 " and the tape program indicator (▲ or ▼) will be illuminated, playback starts.

2 Tape Program Selector

Press both buttons ("◄◄", "►►") firmly if you want to change the program of tape play. The tape program indicator " 0 _ 0 ▲" or " 0 ‾ 0 ▼" will be illuminated.

Otherwise, tape program will change automatically at the end of the tape (Auto Reverse System).

Tape program indicator (" 0 _ 0 ▲" or " 0 ‾ 0 ▼")

The tape program indicator is displayed during tape mode operation.
" 0 _ 0 ▲": Displays the top side of the cassette is being played.
" 0 ‾ 0 ▼": Displays the bottom side of the cassette is being played.
Note: "▲" or "▼" is always illuminated when the cassette tape is loaded.

3 Rewind/Fast Forward

- Press the "►►" button for fast forward. " 0 _ 0 " or " 0 ‾ 0 " indicator blink. When the tape reaches its end, Auto Reverse will operate and play back the opposite side of the tape.
- Press the "◄◄" button for rewind. " 0 _ 0 " or " 0 ‾ 0 " indicator blink. When the tape is fully rewound, the same side of the tape will be played.
- To stop rewind/fast forward operation, press the "►►" (or "◄◄") button lightly. Then the tape play will resume playing from that position.

4 To eject the tape

Press the "⏏" button and the cassette will pop out for removal, and the radio will be heard again.

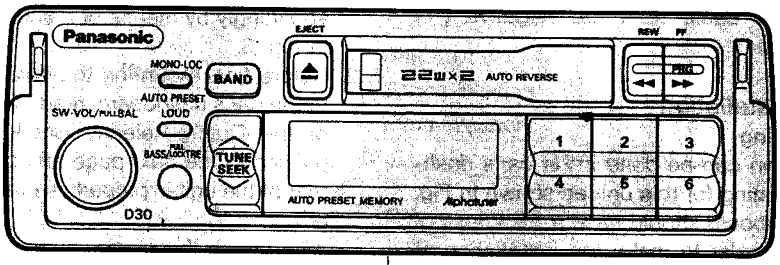
Note: The cassette tape should always be removed from the cassette slot when not in use.

Note on Cassette Tape

We strongly recommend not using tapes longer than C-90 (90 minutes), unless absolutely necessary.

Anti-Theft System

This removable unit gives you a chance to fight the rising tide of car radio theft. Now you can keep thieves from stealing your Panasonic car audio unit by removing it yourself when your car is left unattended.


Panasonic
MONO-LOC
BAND
AUTO PRESET
SW-VOL/PULLBAL
LOUD
BASS/TRE
TUNE SEEK
D30
EJECT
22W×2
AUTO REVERSE
REW
FF
PRG
1
2
3
4
5
6
AUTO PRESET MEMORY

Handle:
Use the handle to pull out the unit from its bracket and take it with you when you leave the car. SWITCH OFF THE UNIT BEFORE PULLING THE HANDLE TO REMOVE IT FROM THE CAR.

How to Remove and Install the Unit

Removal:

1. Switch off the power.
2. Lift the handle. (Fig. 1, ❶)
3. Remove the unit from the bracket by pulling the handle firmly. (Fig. 1, ❷)

Installation:
Insert and push the main unit fully into its bracket. The unit will be locked in automatically.
A "click" sound can be heard when the safety lock is engaged.

Caution;

1. Before removing the unit, make sure it has been switched off.
2. It is dangerous to operate the unit with the safety lock released. Thus, when operating the unit be sure the handle is in its original down position, and always make sure the unit is fully pushed into the mounting bracket.
3. After operating the unit for several hours, it will become very hot especially on the rear side. Please be aware of this and pay careful attention.
4. The unit is not water-proof. Therefore, do not expose it to water nor excessive moisture.
5. Do not abuse the unit by hitting, dropping or swinging the unit while carrying by its handle.

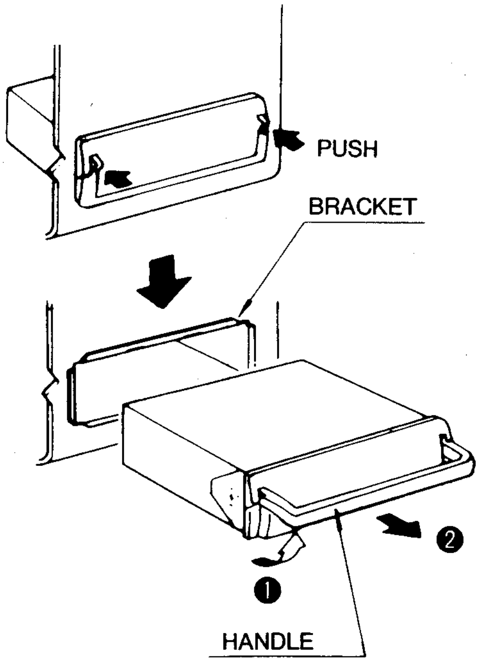

PUSH
BRACKET
❷
❶
HANDLE

Fig. 1

Installation

Notes:

- Before installation check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (−) battery terminal.

Unit In-dash Installation

Installation Opening

In-dash installation can be done if the car's dashboard has an opening for this unit as shown in Fig. 2. The car's dashboard should have a thickness of 4.5mm - 6mm in order to make the installation of the unit.

To Remove the Unit from the Quick Release Bracket

The unit is inserted and locked in the quick release bracket at the factory. The unit can be released by following the steps below:

1. Switch off the power.
2. Push the safety lock to release the unit from the bracket.
3. Lift the handle. (Fig. 3, ❶).
4. Remove the unit from its bracket by pulling the handle firmly. (Fig. 3, ❷).

Installation Procedures

1. Insert the quick release bracket into the car's dashboard and bend the mounting springs correspondingly by means of a screwdriver, as shown in Fig. 3.
2. Before final mounting the quick release bracket to the car's dashboard, read "To Secure the Rear of the Quick Release Bracket" which is explained in the next page and check whether the rear of the unit is properly secured to the fire wall of car.
   Also check the electrical connections by referring to this installation instructions. Mount the quick release bracket to the car's dashboard as shown in Fig. 3.
3. Now insert the unit into the quick release bracket.
4. After installation reconnect the negative (−) battery terminal.

Installation Parts List

Illust. No.	Description	Q'ty
①	Quick Release Bracket	1
②	Rear Support Strap	1
③	Hex. Bolt (5mmϕ x 25mm)	1
④	Hex. Nut (5mmϕ)	2
⑤	Spring Washer (5mmϕ)	2
⑥	Plain Washer (5mmϕ)	2
⑦	Toothed Lock Washer (5mmϕ)	1
⑧	Mounting Bolt (5mmϕ)	1

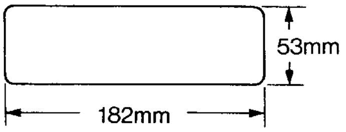


Fig. 2

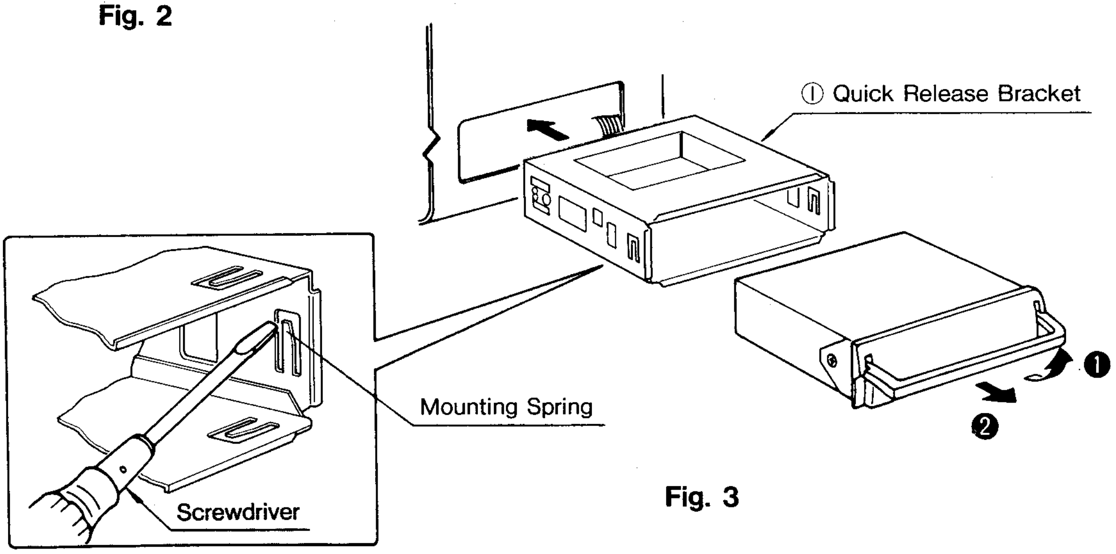
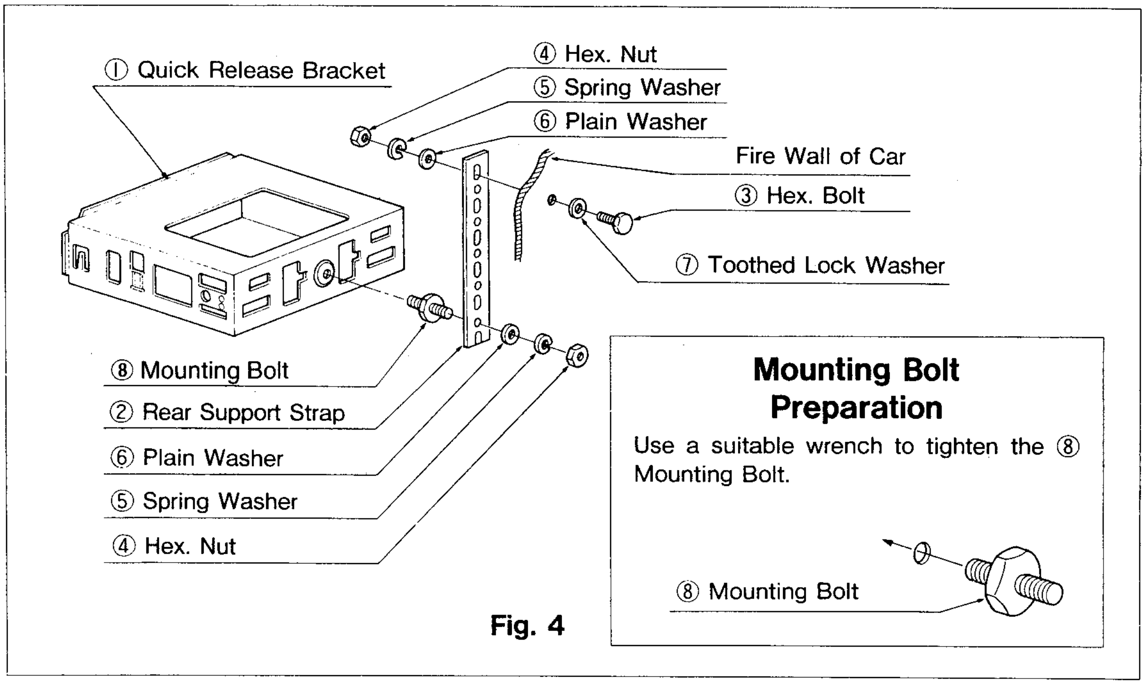


Fig. 3

To Secure the Rear of the Quick Release Bracket:

■ Using the Rear Support Strap (See Fig. 4)

Fix one end of the rear support strap to the rear of the quick release bracket, and the other end to the Fire Wall of Car, or some other metallic area.


① Quick Release Bracket
④ Hex. Nut
⑤ Spring Washer
⑥ Plain Washer
Fire Wall of Car
③ Hex. Bolt
⑦ Toothed Lock Washer
⑧ Mounting Bolt
② Rear Support Strap
⑥ Plain Washer
⑤ Spring Washer
④ Hex. Nut
⑧ Mounting Bolt

Mounting Bolt Preparation

Use a suitable wrench to tighten the ⑧ Mounting Bolt.

Fig. 4

Caution:

- Do not pull the handle and remove the unit when the safety lock is engaged.

Fuse

Be sure to use a fuse of the specified rating (5A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a fire or damage to the unit.

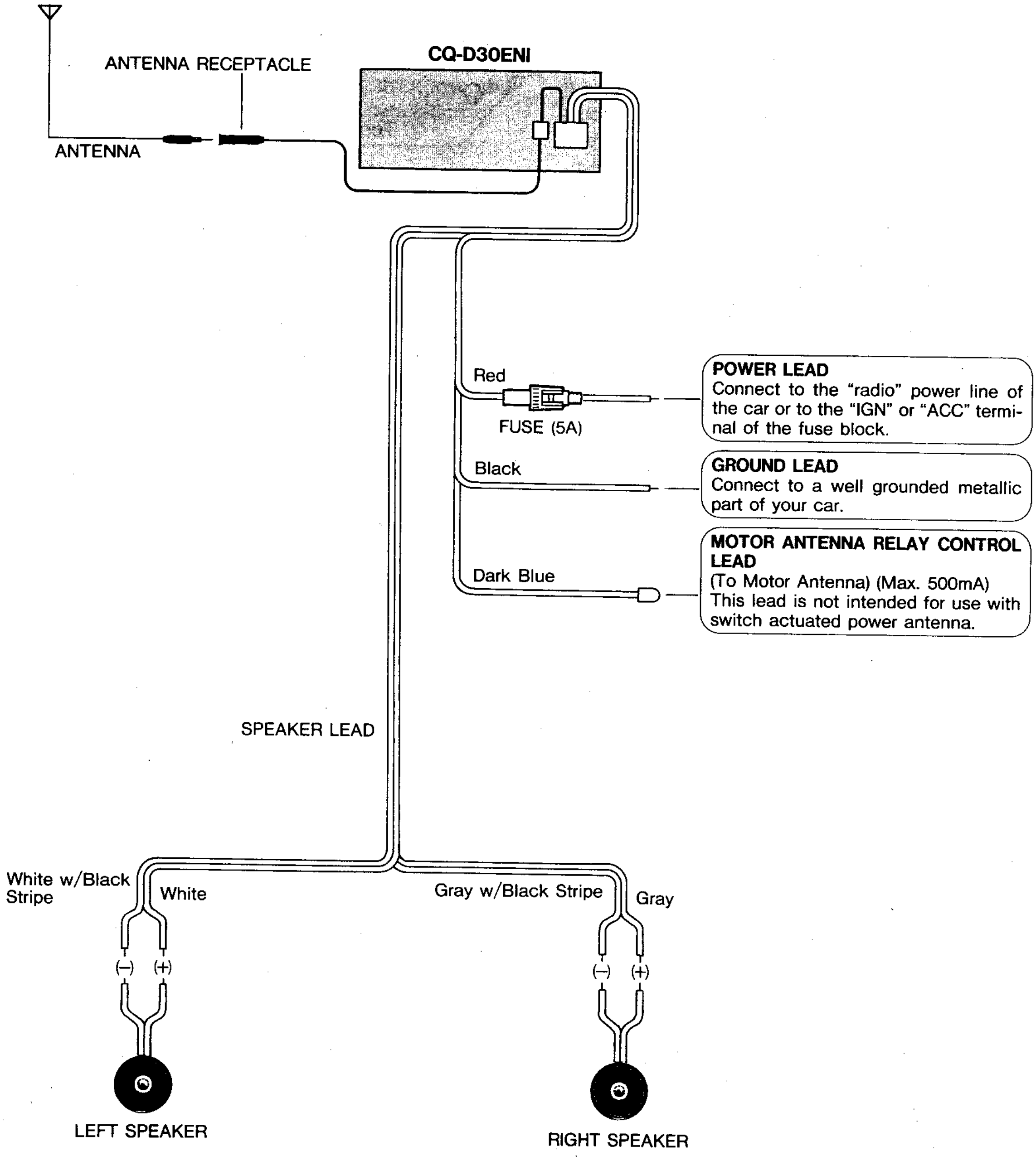
Maintenance

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzine, thinner, or any other type of solvents.

Electrical Connection

Caution:

- To prevent damage to the unit be sure to follow the connection diagram below.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.


ANTENNA RECEPTACLE
CQ-D30ENI
ANTENNA
Red
FUSE (5A)
Black
Dark Blue
SPEAKER LEAD
White w/Black Stripe
White
Gray w/Black Stripe
Gray
(–)
(+)
(–)
(+)
LEFT SPEAKER
RIGHT SPEAKER

POWER LEAD
Connect to the "radio" power line of the car or to the "IGN" or "ACC" terminal of the fuse block.

GROUND LEAD
Connect to a well grounded metallic part of your car.

MOTOR ANTENNA RELAY CONTROL LEAD
(To Motor Antenna) (Max. 500mA)
This lead is not intended for use with switch actuated power antenna.

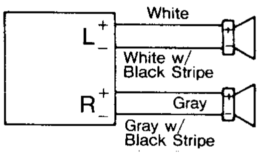
Speaker Connections

CAUTION:

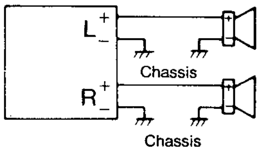
1. Use ungrounded speakers only.
2. The speakers to be used with this unit should be able to handle more than 22W of audio power. Use of speakers with small input ratings can result in damage to the speakers.
3. The speaker impedance should be 4 - 8 ohms. If the impedance is too large or too small, it affects the output and may result in damage to the speakers or this unit.
4. Do not use 3-wire type speaker system having a common earth lead. Never connect the speaker cord to the body of the car. This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
5. The speaker cords and the power amplifier unit should be kept away (about 30cm apart) from the antenna and antenna extension cord.
6. Follow the connection diagram below carefully. Failure to do so may result in damage to both unit and speakers.

- **Unit will be damaged if speakers are not connected properly.**

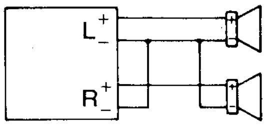
RIGHT


L+
L−
R+
R−
White
White w/ Black Stripe
Gray
Gray w/ Black Stripe

WRONG

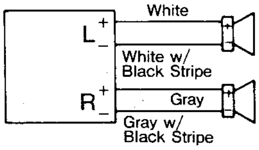

L+
L−
R+
R−
Chassis
Chassis

WRONG

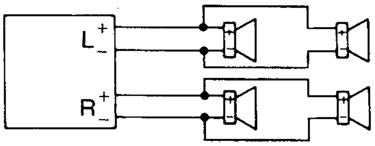


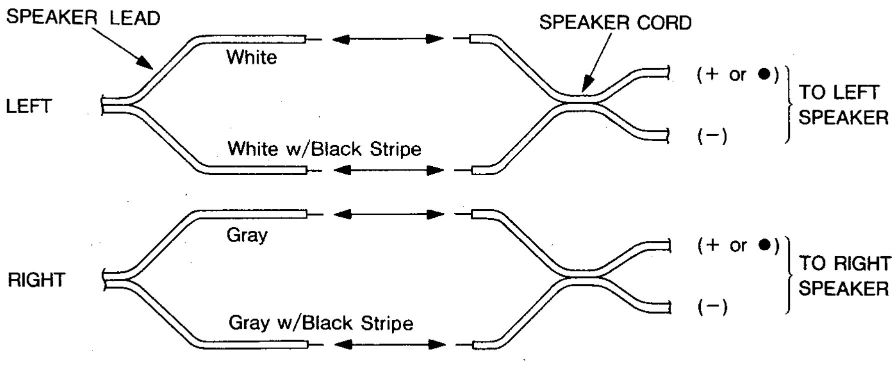
- **Do not connect more than one speaker to one set of speaker leads.**

RIGHT


L+
L−
R+
R−
White
White w/ Black Stripe
Gray
Gray w/ Black Stripe

WRONG

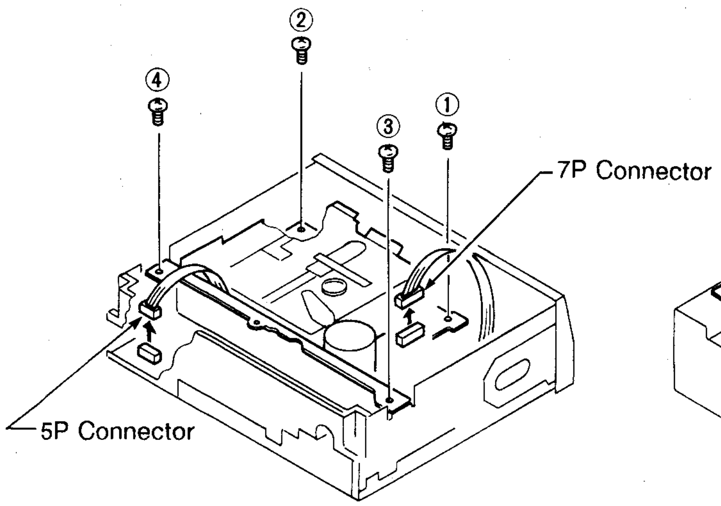


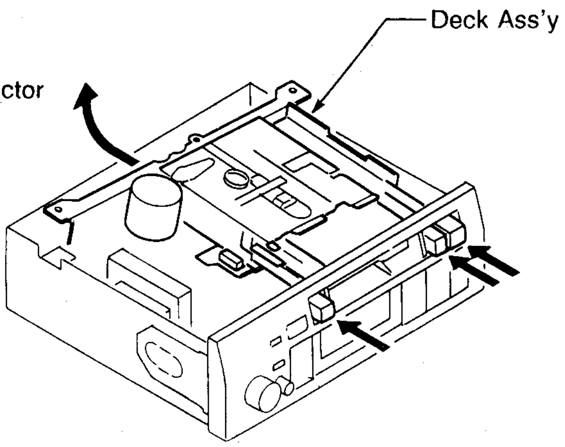

SPEAKER LEAD
SPEAKER CORD
LEFT
White
White w/Black Stripe
(+ or ●)
(−)
TO LEFT SPEAKER
RIGHT
Gray
Gray w/Black Stripe
(+ or ●)
(−)
TO RIGHT SPEAKER

DISASSEMBLY INSTRUCTIONS

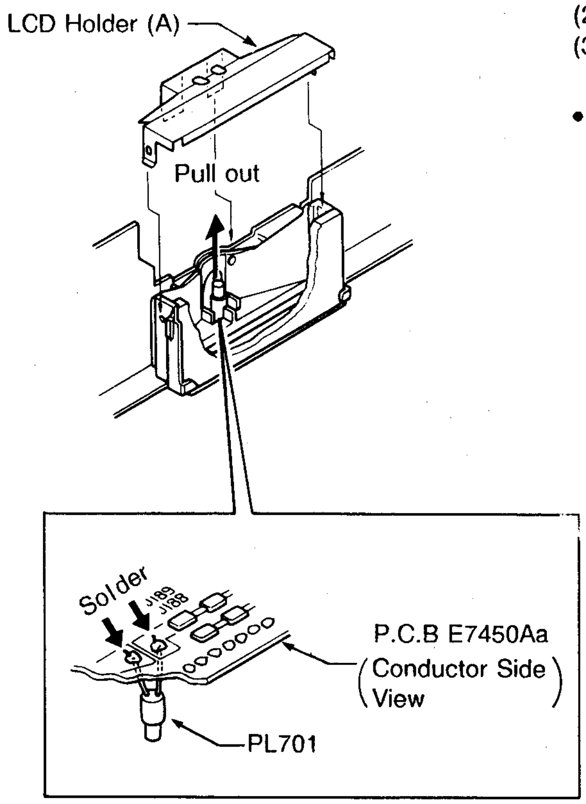
■ DECK ASS'Y REMOVAL

To remove the Upper Cover, Under and Escutcheon Ass'y, refer to EXPLODED VIEW(UNIT)on page 21.
(1) Disconnect the 7P and 5P connectors before disconnecting the deck.
(2) When the deck is mounted back in place, reconnect them after tightening the Screws.
(3) Tighten the screws in the order of ①, ②, ③, and ④.


②
④
①
③
7P Connector
5P Connector



■ PILOT LAMP REMOVAL

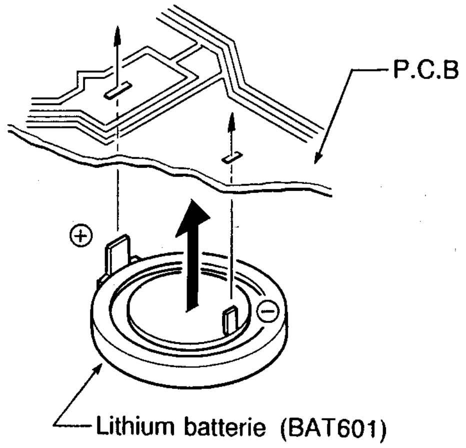

LCD Holder (A)
Pull out
Solder
J189
J188
P.C.B E7450Aa
(Conductor Side View)
PL701

■ BATTERY (BAT601) REPLACEMENT

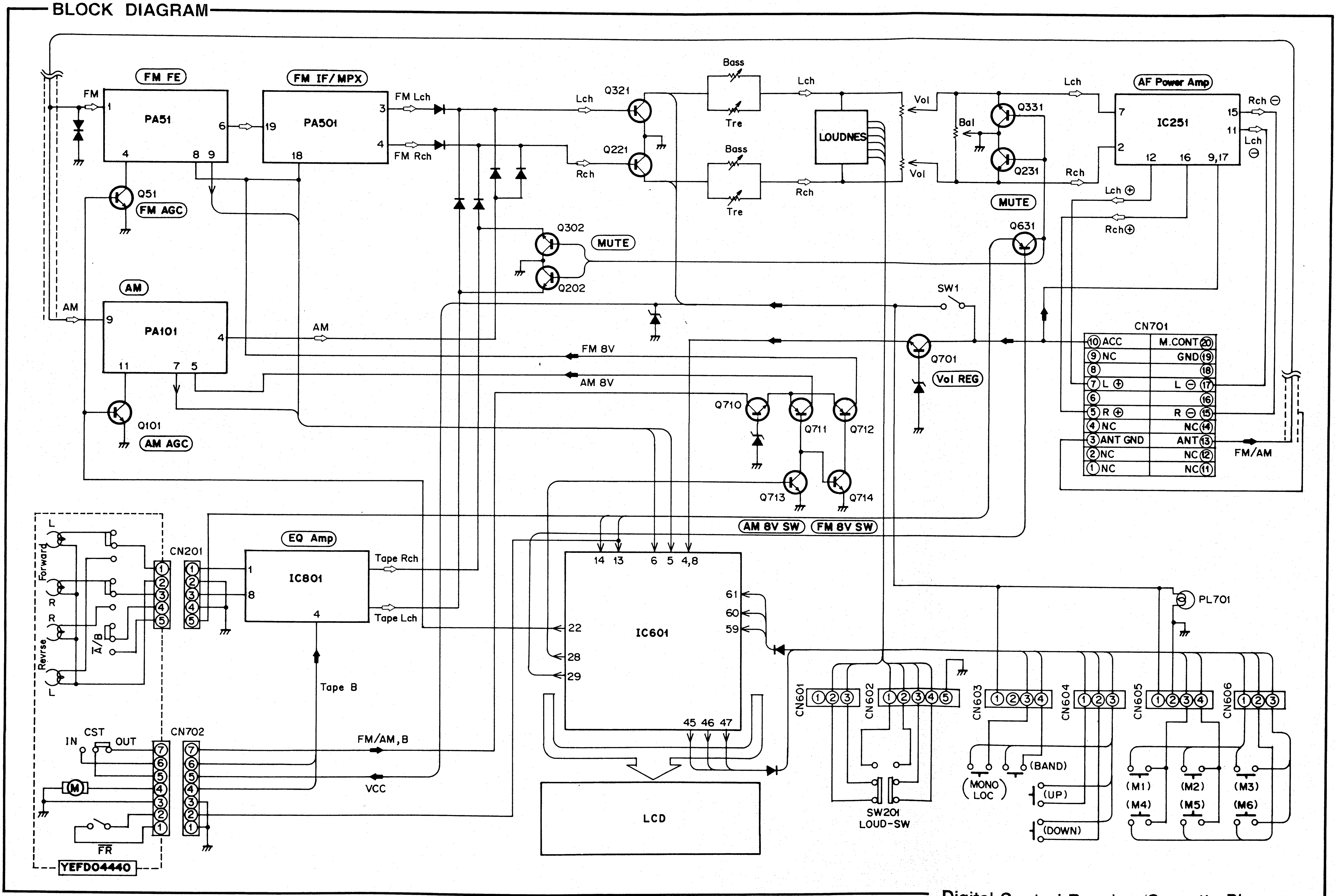
(1) Turn the knob fully counterclockwise to turn power off.
(2) Remove the top cover, bottom cover, and deck assembly.
(3) Unsolder the battery terminals on the pattern end and replace the battery with a new one.

• NOTES :

- Keep SW601 in the original position during battery replacement. It is not necessary to operate SW601.
- After replacing the battery, check that a voltage of 2V or more is applied to pin 30 of IC601 with power off.
- After the above check, install the deck assembly back, and turn power on, check that all the functions of the set operate normally, and then place the covers backon.


P.C.B
⊕
⊖
Lithium batterie (BAT601)

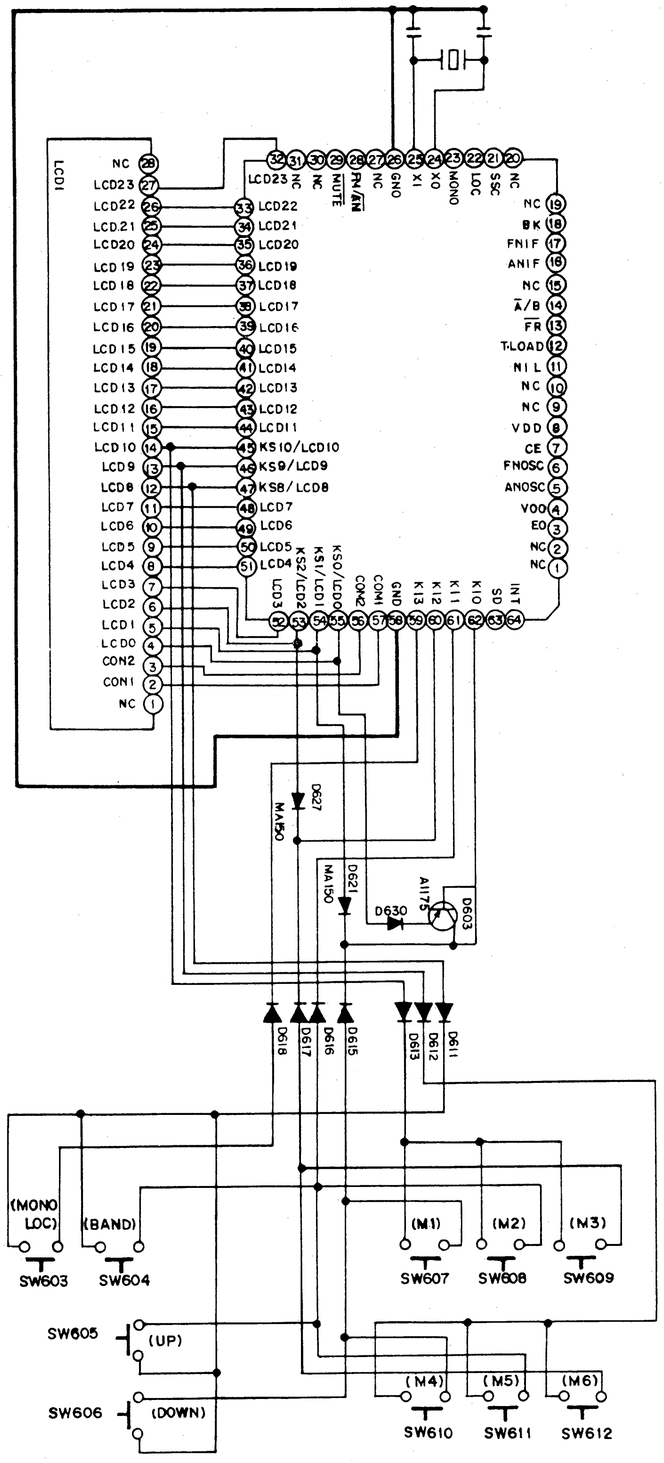
BLOCK DIAGRAM


FM FE
PA51
FM
Q51
FM AGC
FM IF/MPX
PA501
FM Lch
FM Rch
AM
PA101
Q101
AM AGC
Q302
Q202
MUTE
Lch
Rch
Q321
Q221
Bass
Tre
LOUDNES
Vol
Bal
Q331
Q231
AF Power Amp
IC251
Rch ⊖
Lch ⊖
Lch ⊕
Rch ⊕
Q631
SW1
Q701
Vol REG
FM 8V
AM 8V
Q710
Q711
Q712
Q713
Q714
AM 8V SW
FM 8V SW
CN701
⑩ACC
⑨NC
⑧
⑦L ⊕
⑥
⑤R ⊕
④NC
③ANT GND
②NC
①NC
M.CONT ⑳
GND ⑲
⑱
L ⊖ ⑰
⑯
R ⊖ ⑮
NC ⑭
ANT ⑬
NC ⑫
NC ⑪
FM/AM
Forward
Revrse
L
R
Ā/B
CN201
EQ Amp
IC801
Tape Rch
Tape Lch
Tape B
IC601
LCD
PL701
CN601
CN602
CN603
CN604
CN605
CN606
SW201
LOUD-SW
MONO LOC
(BAND)
(UP)
(DOWN)
(M1)
(M2)
(M3)
(M4)
(M5)
(M6)
CST
IN
OUT
M
F̄R̄
CN702
FM/AM, B
VCC
YEFD04440

Digital Control Receiver/Cassette Player

OPERATION OF LSI

■ IC601, YEAM1723G571

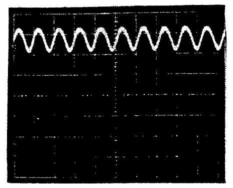

LCD1
NC 28
LCD23 27
LCD22 26
LCD21 25
LCD20 24
LCD19 23
LCD18 22
LCD17 21
LCD16 20
LCD15 19
LCD14 18
LCD13 17
LCD12 16
LCD11 15
LCD10 14
LCD9 13
LCD8 12
LCD7 11
LCD6 10
LCD5 9
LCD4 8
LCD3 7
LCD2 6
LCD1 5
LCD0 4
CON2 3
CON1 2
NC 1
32 LCD23
31 NC
30 NC
29 MUTE
28 FM/AM
27 NC
26 GND
25 XI
24 XO
23 MONO
22 LOC
21 SSC
20 NC
33 LCD22
34 LCD21
35 LCD20
36 LCD19
37 LCD18
38 LCD17
39 LCD16
40 LCD15
41 LCD14
42 LCD13
43 LCD12
44 LCD11
45 KS10/LCD10
46 KS9/LCD9
47 KS8/LCD8
48 LCD7
49 LCD6
50 LCD5
51 LCD4
NC 19
BK 18
FNIF 17
ANIF 16
NC 15
A/B 14
FR 13
T·LOAD 12
NIL 11
NC 10
NC 9
VDD 8
CE 7
FNOSC 6
ANOSC 5
VDD 4
EO 3
NC 2
NC 1
52 LCD3
53 KS2/LCD2
54 KS1/LCD1
55 KS0/LCD0
56 COM2
57 COM1
58 GND
59 KI3
60 KI2
61 KI1
62 KI0
63 SD
64 INT
D627
MA150
D621
MA150
D630
A1175
D603
D618
D617
D616
D615
D613
D612
D611
(MONO LOC)
(BAND)
SW603
SW604
(M1)
(M2)
(M3)
SW607
SW608
SW609
SW605
(UP)
SW606
(DOWN)
(M4)
(M5)
(M6)
SW610
SW611
SW612

PRECAUTION IN HANDLING

(For Prevention of electrostatic fracture)

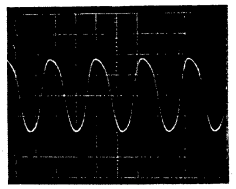
1. Except during operation keep all terminals in contact with conductive member. (The device is in this condition.)
2. Always connect the tip of soldering iron, tools, and tester to the ground when using.
3. Do not plug or unplug with the power supplied.
4. Never apply signal or voltage with the power off.
5. Keep all unused terminals at Vcc or Vdd.
6. Never apply the voltage exceeding the line voltage to the input terminal.

❺ AM OSC



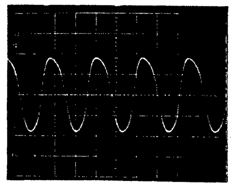
0.1V/DIV, 0.2μS/DIV

㉔ XO



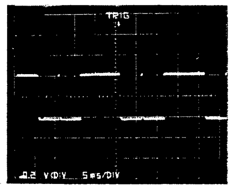
0.1V/DIV, 0.1μS/DIV

❺ XI



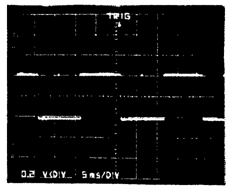
0.1V/DIV, 0.1μS/DIV

㊵ LCD15



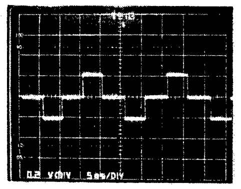
0.2V/DIV, 5mS/DIV

(51) LCD4



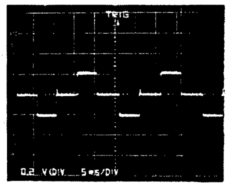
0.2V/DIV, 5mS/DIV

(56) COM2



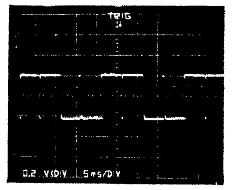
0.2V/DIV, 5mS/DIV

(57) COM1



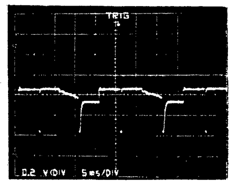
0.2V/DIV, 5mS/DIV

(55) KS0(M2 On)



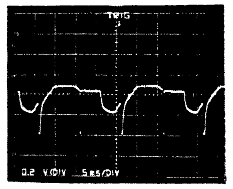
0.2V/DIV, 5mS/DIV

(60) KI2



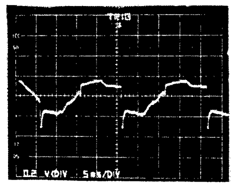
0.2V/DIV, 5mS/DIV

(60) KI2 (M6 On)



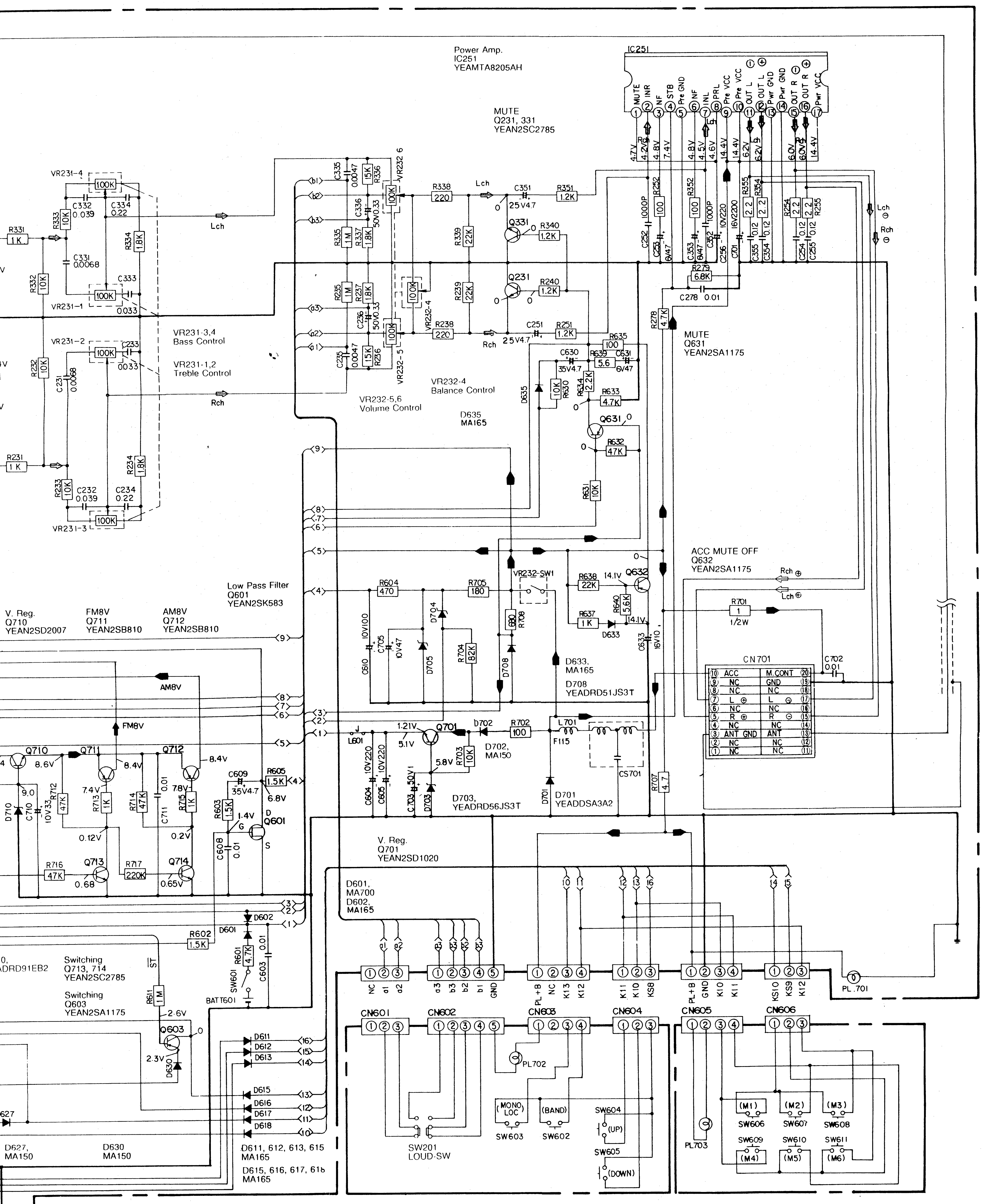
0.2V/DIV, 5mS/DIV

(62) KI0



0.2V/DIV, 5mS/DIV

Pin No.	Port	Description
1	NC	Nom Connection
2	NC	
3	E02	Output. PLL Phase detection Error
4	VDD	+5V Power Supply
5	AM OSC	Input, AM Local Oscillate Signal
6	FM OSC	Input, FM Local Oscillate Signal
7	CE	Input, Power Supply detection
8	VDD	+5V Power Supply
9	NC	Nom Connection
10	NC	
11	MTL	Output, Equalizer Change
12	T · LOAD	Input, tape Insert detection
13	$\overline{\text{FR}}$	Input. tape FF / REW Detection
14	A / $\overline{\text{B}}$	Input. tape A / B Program Detection
15	NC	Nom Connection
16	AM IF	Input. AM IF Countor
17	FM IF	Input, FM IF Countor
18	BK	Input, BK Signal Counter
19	NC	Nom Connection
20	NC	
21	SSC	Output. Search Control
22	LOC	Output. Local Search Sensitivity Control
23	MONO	Output, Mono / $\overline{\text{FMO}}$ Change over
24	X_0	4.5MHz Crystal Osilator
25	X_1	
26	GND	Ground
27	NC	Non Connection
28	FM / $\overline{\text{AM}}$	Output, FM / AM Band Selector
29	$\overline{\text{MUTE}}$	Output, Muting
30	LCD INH	Output, LCD Driver INH
31	LDC CE	Output, LCD Driver CE
32	LCD 23	Output, LCD Segment Drive Signal
33	LCD 22	
34	LCD 21	
35	LCD 20	
36	LCD 19	
37	LCD 18	
38	LCD 17	
39	LCD 16	
40	LCD 15	
41	LCD 14	
42	LCD 13	
43	LCD 12	
44	LCD 11	
45	KS10/LCD10	Output, LCD Segment Drive Signal and Scan Signal
46	KS9/LCD9	
47	KS8/LCD8	
48	LCD 7	Output, LCD Segment Drive Signal
49	LCD 6	
50	LCD 5	
51	LCD 4	
52	LCD 3	
53	LCD2/KS2	Output, LCD Segment Drive Signal and Scan Signal
54	LCD1/KS1	
55	LCD0/KS0	
56	COM 1	Output, LCD Common Signal
57	COM 2	
58	GND	Ground
59	KI 3	Input, Key Return
60	KI 2	
61	KI 1	
62	KI 0	
63	SD	Input, Sensitivity Level
64	INT	


Power Amp.
IC251
YEAMTA8205AH
MUTE
Q231, 331
YEAN2SC2785
MUTE
Q631
YEAN2SA1175
ACC MUTE OFF
Q632
YEAN2SA1175
VR231-3,4
Bass Control
VR231-1,2
Treble Control
VR232-4
Balance Control
VR232-5,6
Volume Control
D635
MA165
Low Pass Filter
Q601
YEAN2SK583
V. Reg.
Q710
YEAN2SD2007
FM8V
Q711
YEAN2SB810
AM8V
Q712
YEAN2SB810
D633,
MA165
D708
YEADRD51JS3T
D702,
MA150
D703,
YEADRD56JS3T
D701
YEADDSA3A2
V. Reg.
Q701
YEAN2SD1020
D601,
MA700
D602,
MA165
Switching
Q713, 714
YEAN2SC2785
Switching
Q603
YEAN2SA1175
D627,
MA150
D630
MA150
D611, 612, 613, 615
MA165
D615, 616, 617, 61b
MA165
SW201
LOUD-SW
CN701
CN601
CN602
CN603
CN604
CN605
CN606
PL701
PL702
PL703
BATT601
SW601
SW602
SW603
SW604
SW605
SW606
SW607
SW608
SW609
SW610
SW611
MONO LOC
BAND
UP
DOWN
M1
M2
M3
M4
M5
M6
MUTE
INR
NF
STB
Pre GND
NF
INL
PRL
Pre VCC
Pre VCC
OUT L
OUT L
Pwr GND
Pwr GND
OUT R
OUT R
Pwr VCC

NOTES:

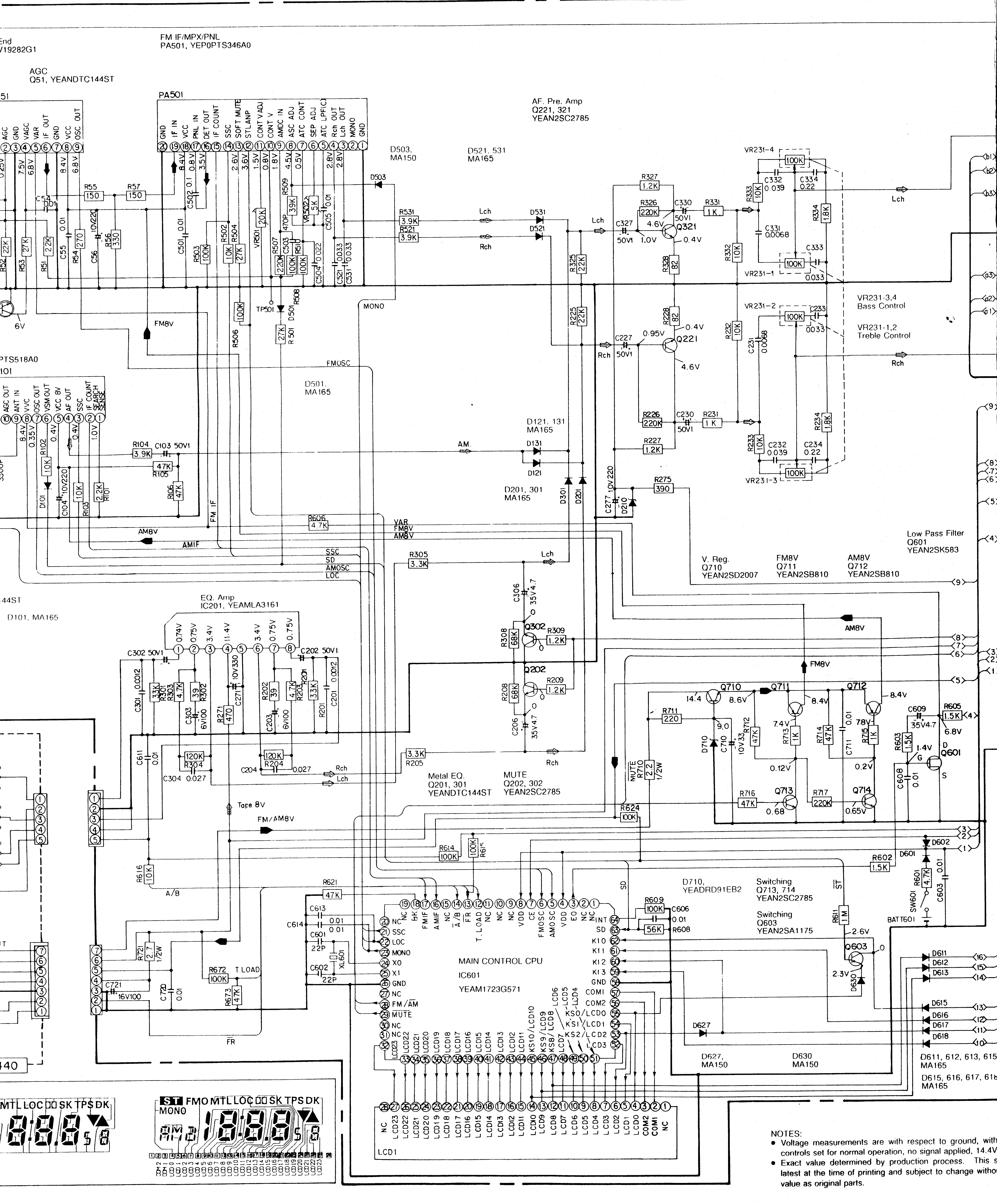
- Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation, no signal applied, 14.4V DC power supply.
- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.

- Symbols detail:

➡ .... FM Radio
⇨ .... AM Radio
⇨ Rch ...... Tape Rch
⇨ Lch ...... Tape Lch
⇨ Rch ...... FM/AM Radio, Rch
⇨ Lch ...... FM/AM Radio, Lch
⇨ Rch ...... Audio (FM/AM, Tape) Rch
⇨ Lch ...... Audio (FM/AM, Tape) Lch
▶ .... +B Line

Digital Control Receiver/Cassette Player

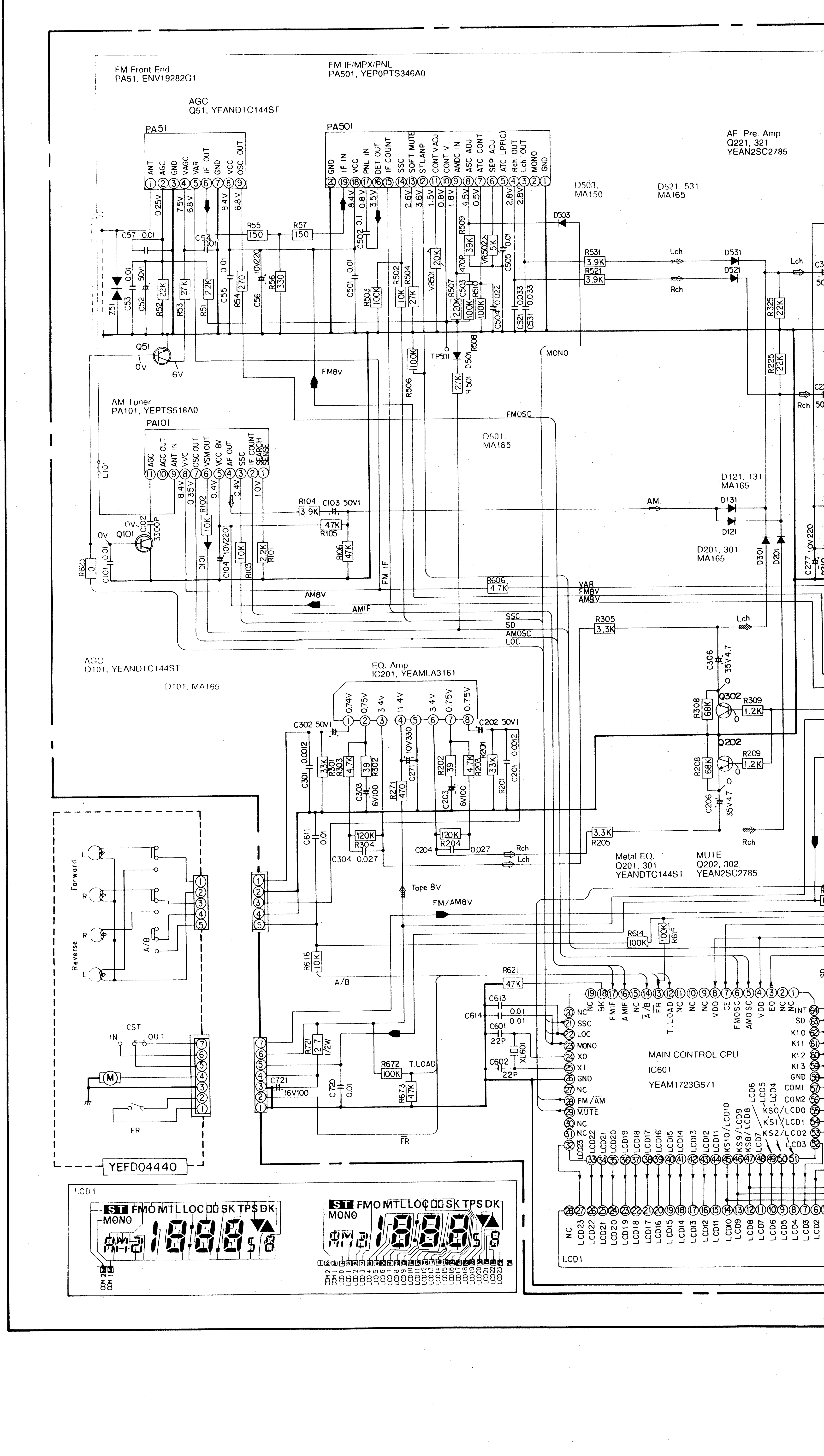
DIAGRAM MODEL CQ-D30ENI


End
/19282G1
FM IF/MPX/PNL
PA501, YEP0PTS346A0
AGC
Q51, YEANDTC144ST
PA501
GND
IF IN
VCC
PNL IN
DET OUT
IF COUNT
SSC
SOFT MUTE
STLANP
CONT V.ADJ
CONT V
AMDC IN
ASC ADJ
ATC CONT
SEP ADJ
ATC LPF(C)
Rch OUT
Lch OUT
MONO
AF. Pre. Amp
Q221, 321
YEAN2SC2785
D503,
MA150
D521, 531
MA165
VR231-3,4
Bass Control
VR231-1,2
Treble Control
D501,
MA165
D121, 131
MA165
D201, 301
MA165
PTS518A0
101
AGC OUT
ANT IN
VVC
OSC OUT
VSM OUT
VCC 8V
AF OUT
SSC
IF COUNT
SEARCH
SENSE
Low Pass Filter
Q601
YEAN2SK583
V. Reg.
Q710
YEAN2SD2007
FM8V
Q711
YEAN2SB810
AM8V
Q712
YEAN2SB810
EQ. Amp
IC201, YEAMLA3161
D101, MA165
144ST
Metal EQ.
Q201, 301
YEANDTC144ST
MUTE
Q202, 302
YEAN2SC2785
Tape 8V
FM/AM8V
AM8V
FM8V
AMIF
VAR
SSC
SD
AMOSC
LOC
FMOSC
MONO
FM IF
A/B
FR
T.LOAD
D710,
YEADRD91EB2
Switching
Q713, 714
YEAN2SC2785
Switching
Q603
YEAN2SA1175
BATT601
SW601
MAIN CONTROL CPU
IC601
YEAM1723G571
D627,
MA150
D630
MA150
D611, 612, 613, 615
MA165
D615, 616, 617, 618
MA165
LCD1
ST FMO MTL LOC SK TPS DK
MONO
Lch
Rch
AM

NOTES:

- Voltage measurements are with respect to ground, with controls set for normal operation, no signal applied, 14.4V
- Exact value determined by production process. This s latest at the time of printing and subject to change witho value as original parts.

SCHEMATIC DIAGRAM MODEL CQ-D30ENI



FM Front End
PA51, ENV19282G1
FM IF/MPX/PNL
PA501, YEP0PTS346A0
AGC
Q51, YEANDTC144ST
PA51
ANT
AGC
GND
VAGC
VAR
IF OUT
GND
VCC
OSC OUT
PA501
GND
IF IN
VCC
PNL IN
DET OUT
IF COUNT
SSC
SOFT MUTE
STLANP
CONT V ADJ
CONT V
AMDC IN
ASC ADJ
ATC CONT
SEP ADJ
ATC LPF(C)
Rch OUT
Lch OUT
MONO
GND
AF. Pre. Amp
Q221, 321
YEAN2SC2785
D503,
MA150
D521, 531
MA165
AM Tuner
PA101, YEPTS518A0
PA101
AGC
AGC OUT
ANT IN
VVC
OSC OUT
VSM OUT
VCC 8V
AF OUT
SSC
IF COUNT
SEARCH SENSE
D501,
MA165
D121, 131
MA165
D201, 301
MA165
AGC
Q101, YEANDTC144ST
D101, MA165
EQ. Amp
IC201, YEAMLA3161
Metal EQ.
Q201, 301
YEANDTC144ST
MUTE
Q202, 302
YEAN2SC2785
Forward
Reverse
A/B
CST
IN
OUT
FR
YEFD04440
Tape 8V
FM/AM8V
FM8V
AM8V
AMIF
FM IF
FMOSC
VAR
SSC
SD
AMOSC
LOC
MONO
AM.
Lch
Rch
MAIN CONTROL CPU
IC601
YEAM1723G571
T.LOAD
LCD1
ST
FMO
MTL
LOC
SK
TPS
DK
MONO
R55 150
R57 150
C57 0.01
C54 0.01
C53 0.01
C52 50V1
R52 22K
R53 27K
R51 22K
C55 0.01
R54 270
C56 10V22
R56 330
Z51
Q51
0V
6V
C501 0.01
C502 0.1
R503 100K
R502 10K
R504 27K
VR501 20K
R507 220K
C503 470P
R509 39K
VR502 5K
C505 0.01
R510 100K
R508 100K
C504 0.022
C521 0.033
C531 0.033
TP501
D501
R506 100K
R501 27K
R531 3.9K
R521 3.9K
D531
D521
R325 22K
R225 22K
L101
R104 3.9K
C103 50V1
R105 47K
R106 47K
R101 2.2K
R103 10K
R102 10K
C104 10V220
D101
Q101
C102 3300P
C101 0.01
R623 0
R606 4.7K
R305 3.3K
R205 3.3K
C306 35V4.7
C206 35V4.7
R308 68K
R208 68K
R309 1.2K
R209 1.2K
Q302
Q202
D131
D121
D301
D201
C277 10V220
C302 50V1
C202 50V1
C301 0.0012
C201 0.0012
R301 33K
R201 33K
R303 4.7K
R203 4.7K
R302 39
R202 39
C303 6V100
C203 6V100
R271 470
C271 10V330
R304 120K
R204 120K
C304 0.027
C204 0.027
C611 0.01
R616 10K
R621 47K
R614 100K
R615 100K
C613 0.01
C601 0.01
C614
C601 22P
C602 22P
XL601
R672 100K
R673 47K
R721 2.7 1/2W
C721 16V100
C720 0.01

]

WIRING DIAGRAM MODEL CQ-D30ENI

PA51	
1	-
2	0.25V
3	0V
4	7.5V
5	6.8V
6	-
7	0V
8	8.4V
9	1.8V

PA501	
1	0V
2	-
3	2.8V
4	2.8V
5	-
6	-
7	0.5V
8	4.5V
9	1.8V
10	0.8V
11	1.5V
12	3.6V
13	2.6V
14	-
15	-
16	3.5V
17	0.8V
18	8.4V
19	-
20	-

PA101	
1	1.0V
2	-
3	0.6V
4	-
5	8.4V
6	-
7	0.35V
8	8.4V
9	-
10	-
11	-

IC201	
1	0.74V
2	0.75V
3	3.4V
4	11.4V
5	0V
6	3.4V
7	0.75V
8	0.75V

IC251	
1	4.6V
2	4.2V
3	4.8V
4	7.4V
5	0V
6	4.8V
7	4.5V
8	4.6V
9	14.4V
10	4.4V
11	6.2V
12	6.2V
13	0V
14	0V
15	6.0V
16	6.0V
17	14.4V

Q51	
B	0V
C	6.0V
E	0V

Q101	
B	0V
C	0V
E	0V

Q221	
B	0.95V
C	4.6V
E	0.4V

Q321	
B	1.0V
C	4.6V
E	0.4V

Q202	
B	0V
C	0V
E	0V

Q302	
B	0V
C	0V
E	0V

Q231	
B	0V
C	0V
E	0V

Q331	
B	0V
C	0V
E	0V

Q631	
B	0V
C	0V
E	5.3V

Q632	
B	14.1V
C	0V
E	14.1V

Q710	
B	9.0V
C	14.4V
E	8.6V

Q711	
B	7.4V
C	8.4V
E	8.6V

Q712	
B	7.8V
C	8.4V
E	8.6V

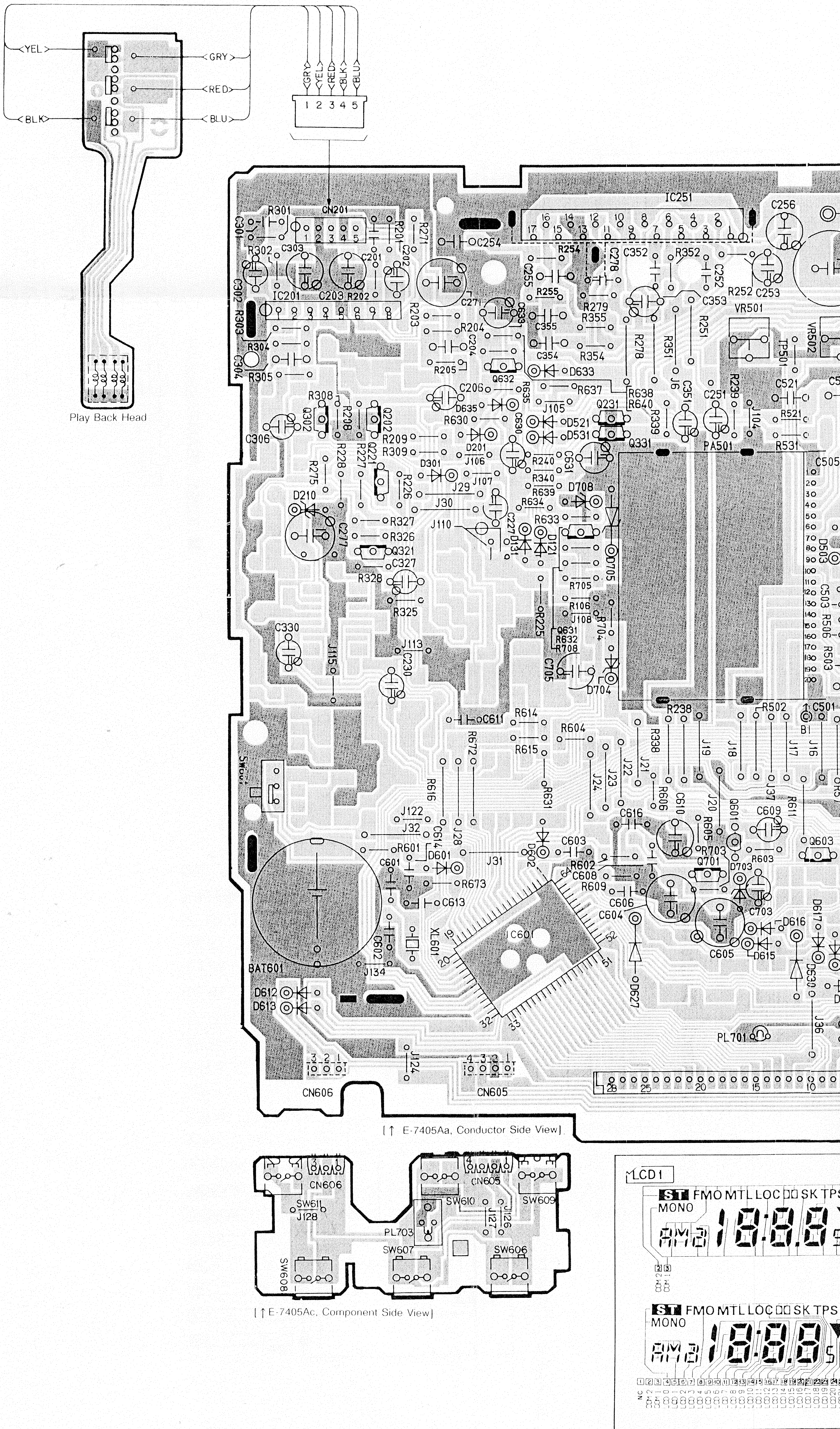
Q713	
B	0.68V
C	0.12V
E	8.6V

Q714	
B	0.65V
C	0.2V
E	0V

Q601	
B	6.8V
C	1.4V
E	0V

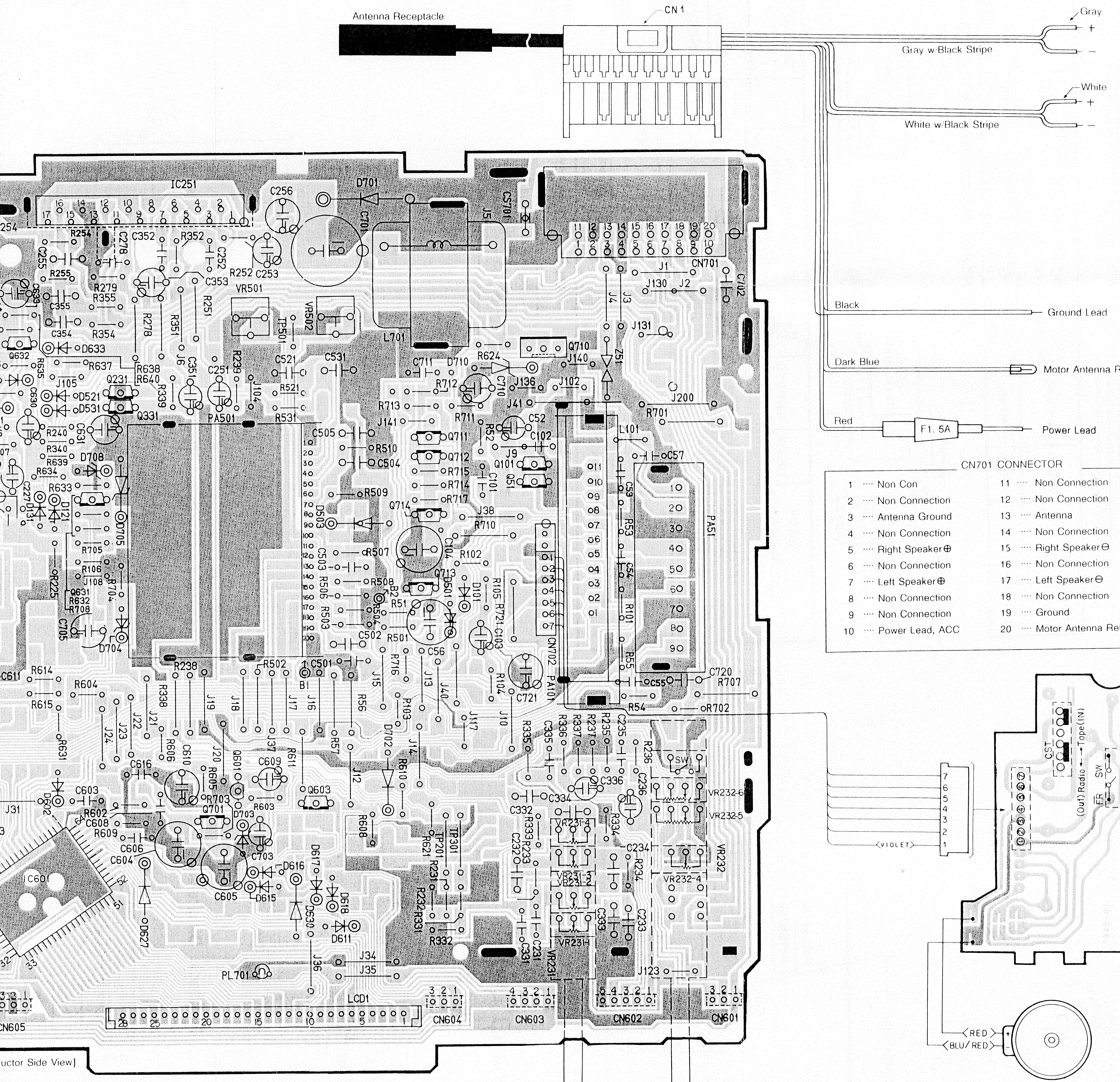
Q603	
B	2.6V
C	0V
E	2.3V

Q701	
B	5.8V
C	12.1V
E	5.1V


YEL
BLK
GRY
RED
BLU
GRY
YEL
RED
BLK
BLU
1 2 3 4 5
Play Back Head
CN201
IC251
IC201
IC601
BAT601
XL601
PA501
VR501
Q231
Q331
Q601
Q603
Q701
CN606
CN605
PL701
SW611
SW610
SW609
SW608
SW607
SW606
PL703
J128
J127
J126
LCD1
ST FMO MTL LOC SK TPS
MONO
AM

[↑ E-7405Aa, Conductor Side View]

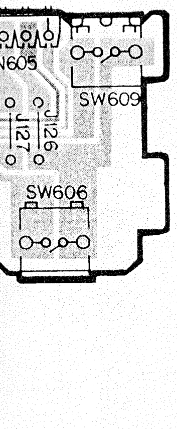
[↑ E-7405Ac, Component Side View]

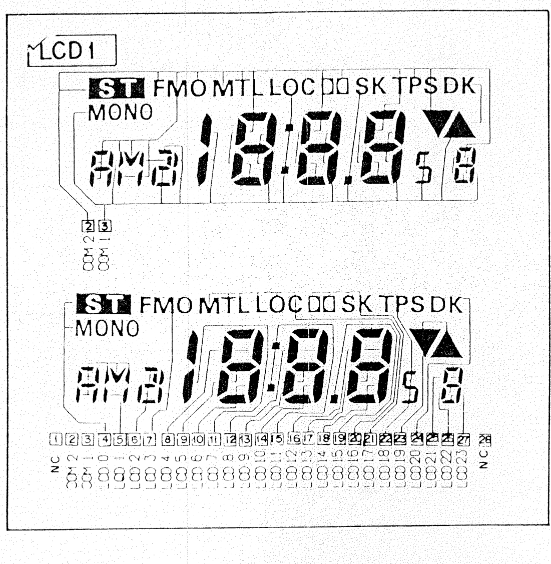

Antenna Receptacle
CN1
Gray
Gray w/Black Stripe
White
White w/Black Stripe
Black
Ground Lead
Dark Blue
Motor Antenna R
Red
F1. 5A
Power Lead
IC251
D701
C256
J5
CS701
J1
CN701
J2
J130
J131
J200
L701
L101
PA501
PA51
PA101
CN702
Q710
VR501
VR502
TP501
VR232
VR232-4
VR232-5
VR232-6
VR231-1
VR231-2
VR231-3
VR231-4
SW1
LCD1
CN605
CN604
CN603
CN602
CN601
PL701
IC601
(Out) Radio ←→ Tape (IN)
CST
SW
FR
VIOLET
RED
BLU/RED
DC Motor

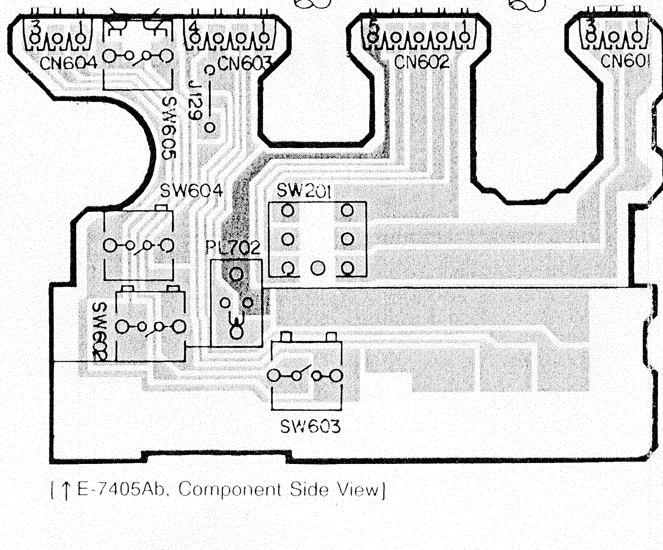
CN701 CONNECTOR

1	···· Non Con	11	···· Non Connection
2	···· Non Connection	12	···· Non Connection
3	···· Antenna Ground	13	···· Antenna
4	···· Non Connection	14	···· Non Connection
5	···· Right Speaker⊕	15	···· Right Speaker⊖
6	···· Non Connection	16	···· Non Connection
7	···· Left Speaker⊕	17	···· Left Speaker⊖
8	···· Non Connection	18	···· Non Connection
9	···· Non Connection	19	···· Ground
10	···· Power Lead, ACC	20	···· Motor Antenna Re

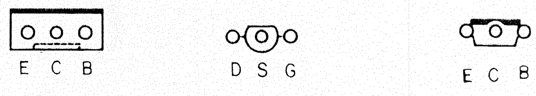
uctor Side View]

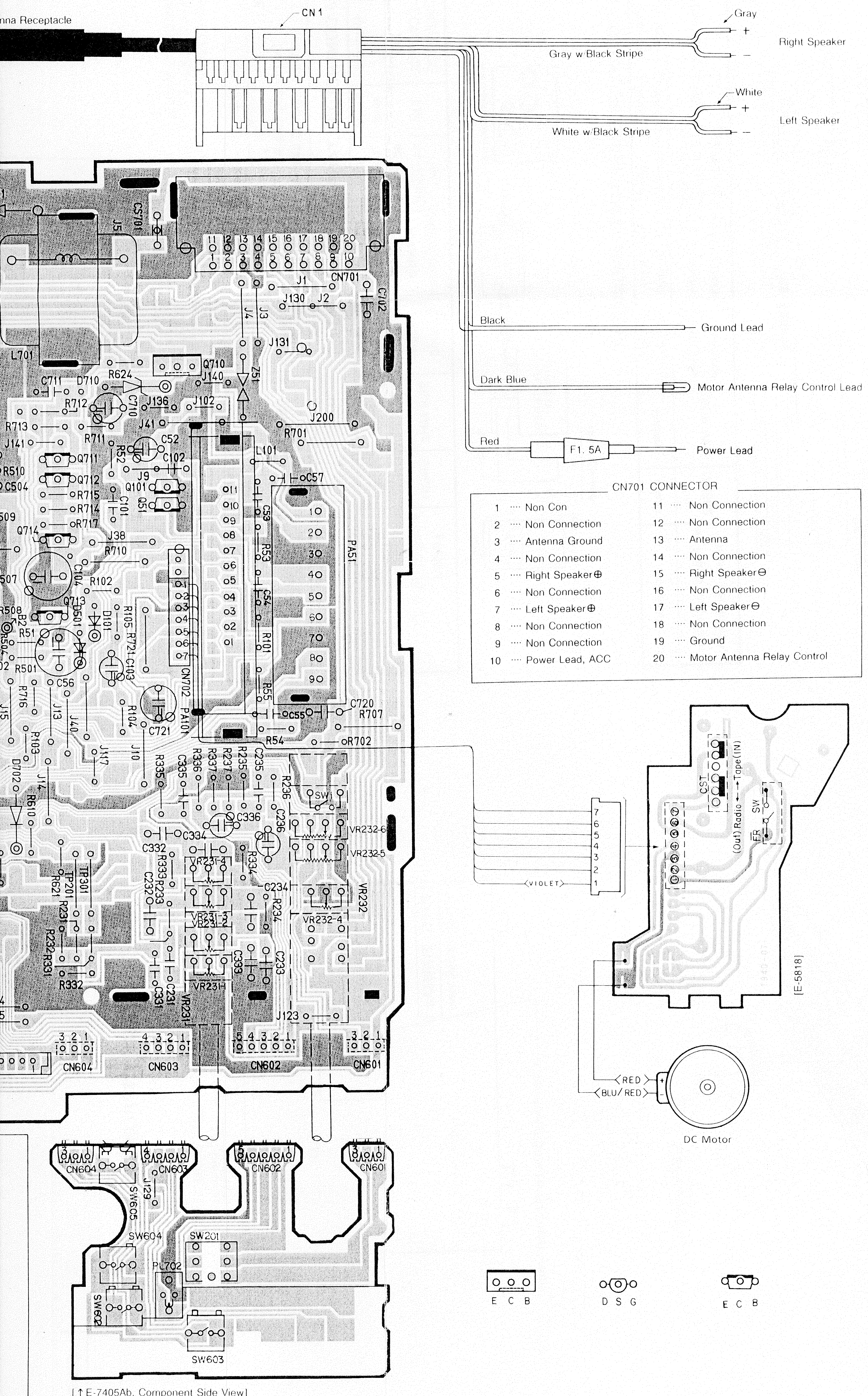

N605
SW609
J126
J127
SW606


LCD1
ST FMO MTL LOC □□ SK TPS DK
MONO
AM2 18.8.8 5 8


CN604
CN603
CN602
CN601
SW605
J129
SW604
SW201
PL702
SW602
SW603

[↑E-7405Ab. Component Side View]




nna Receptacle
CN 1
Gray
+
−
Right Speaker
Gray w/Black Stripe
White
+
−
Left Speaker
White w/Black Stripe
Black
Ground Lead
Dark Blue
Motor Antenna Relay Control Lead
Red
F1. 5A
Power Lead
CN701
CN702
L701
Q710
Q711
Q712
Q713
Q714
Q101
Q51
J1
J2
J3
J4
J130
J131
J140
J200
L101
R701
R702
PA51
PA101
SW
VR232
VR231
J123
CN604
CN603
CN602
CN601
SW605
SW604
SW201
SW602
SW603
PL702
J129
(VIOLET)
CST
Tape(IN)
(Out) Radio
SW
FR
[E-5818]
RED
BLU/RED
+
−
DC Motor
E C B
D S G
E C B

CN701 CONNECTOR

1	···· Non Con	11	···· Non Connection
2	···· Non Connection	12	···· Non Connection
3	···· Antenna Ground	13	···· Antenna
4	···· Non Connection	14	···· Non Connection
5	···· Right Speaker⊕	15	···· Right Speaker⊖
6	···· Non Connection	16	···· Non Connection
7	···· Left Speaker⊕	17	···· Left Speaker⊖
8	···· Non Connection	18	···· Non Connection
9	···· Non Connection	19	···· Ground
10	···· Power Lead, ACC	20	···· Motor Antenna Relay Control

[↑E-7405Ab. Component Side View]

Digital Control Receiver/Cassette Player

ALIGNMENT INSTURUCTIONS

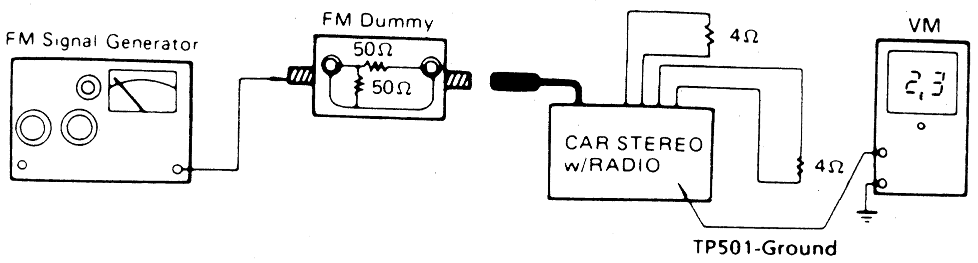
- Power Supply Voltage : DC 14.4V
- Output Impedance : 4Ω
- Balance Control : Center
- Volume Control : Set for 0.5W output
- Bass Control : Center
- Treble Control : Center
- Fader Control : Front

NOTE :

Do not align the AM, FM and FM MPX package blocks. When the package block is necessary, it will be supplied already aligned at the factry.

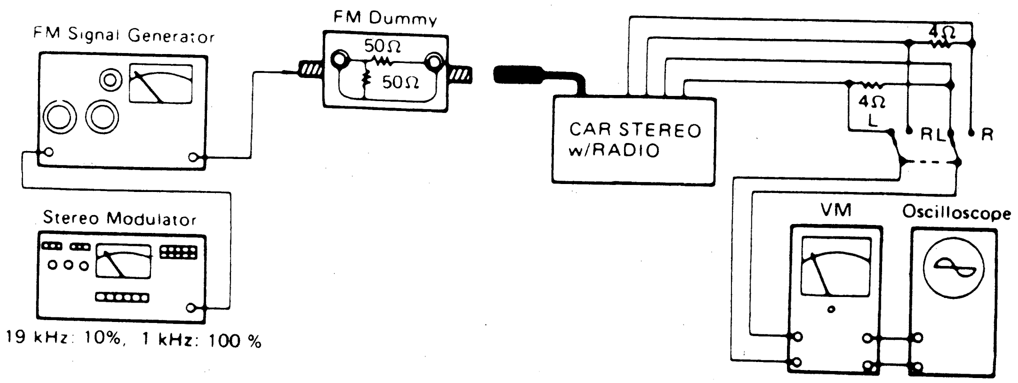
1. FM CONTROL VOLTAGE ALEGNMENT

Step	Alignment Item	BandS elect	Signal Generator	nput Terminal	VM Connection	Display	Adjust	Remarks
❶	FM CONTROL VOLTAGE	FM	98.0 MHz 24 DB/μV 30%	Antenna Receptacle	TP501 Ground	98.0 MHz	VR501	• Adjust fo 2.3V ±0.05V.


FM Signal Generator
FM Dummy
50Ω
50Ω
CAR STEREO w/RADIO
4Ω
4Ω
VM
2.3
TP501-Ground

2. FM MULTIPLEX SEPARATION ALIGNMENT

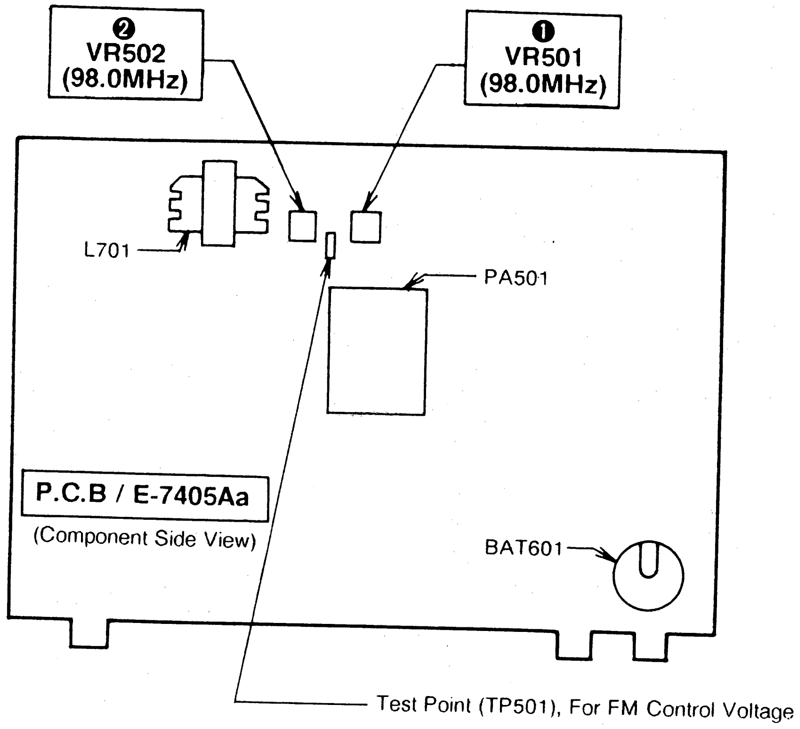
Step	Alignment Item	BandS elect	Signal Generator	nput Terminal	VM Connection	Display	Adjust	Remarks
❷	FM MPX	FM	98.0 MHz 74 DB/μV [400Hz Mod.]	Antenna Receptacle	Speaker Terminal	98.0 MHz	VR502	• Adjust for maximum separation.

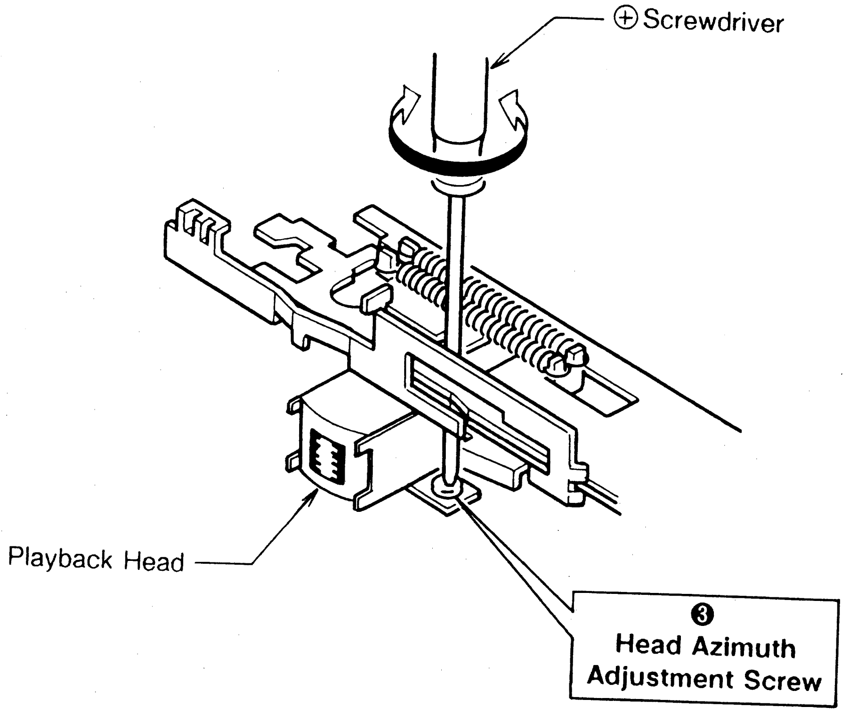

FM Signal Generator
FM Dummy
50Ω
50Ω
CAR STEREO w/RADIO
4Ω
4Ω
L
RL
R
Stereo Modulator
19 kHz: 10%, 1 kHz: 100 %
VM
Oscilloscope

3. HEAD ADZIMUTH ALIGNMENT

Step	Alignment Item	Test Tape	nput Terminal	VM Connection	Adjust	Remarks
❸	Head Adzimuth	TCC - 153	Playback Head	Speaker Terminals	Head Adzimuth adjustment Screw	• Adjust for maximum output.

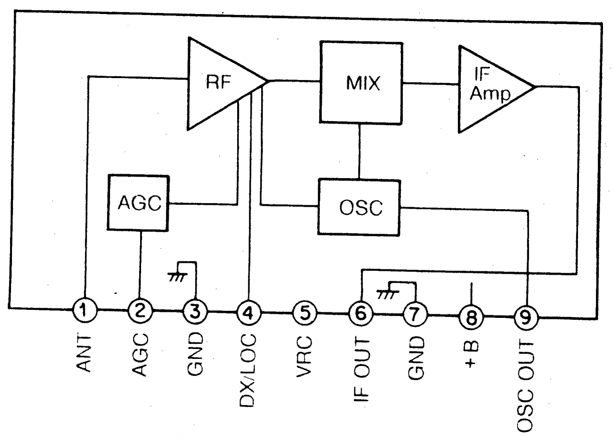
ALIGNMENT POINTS


❷ VR502 (98.0MHz)
❶ VR501 (98.0MHz)
L701
PA501
P.C.B / E-7405Aa
(Component Side View)
BAT601
Test Point (TP501), For FM Control Voltage

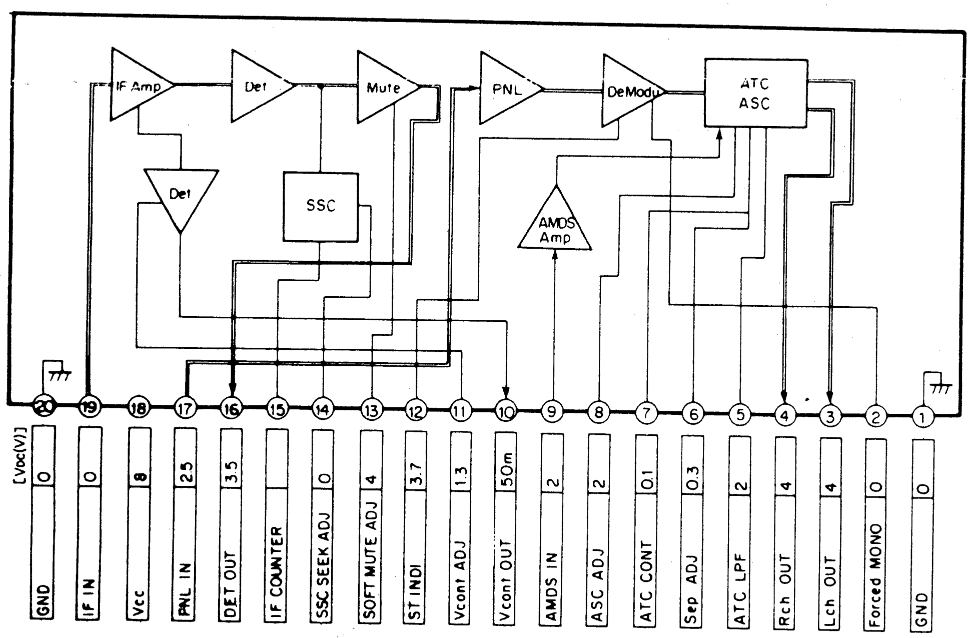

⊕Screwdriver
Playback Head
❸ Head Azimuth Adjustment Screw

PACKAGE and IC Block Diagram

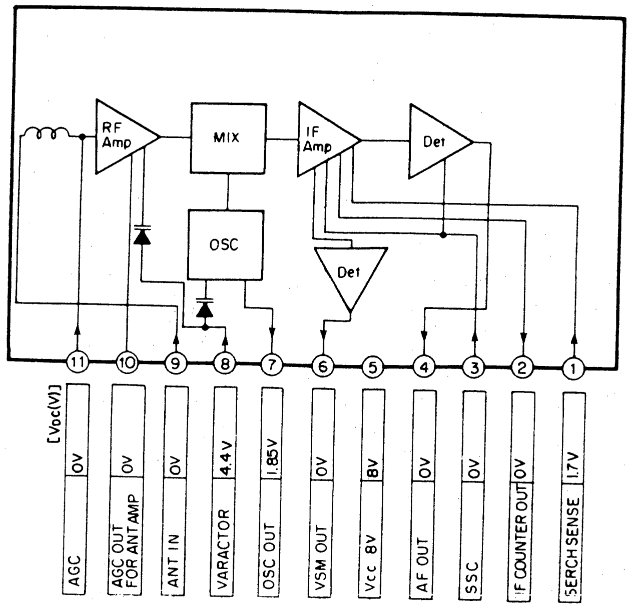
■ PA51,ENV19282G1


RF
MIX
IF Amp
AGC
OSC
①ANT
②AGC
③GND
④DX/LOC
⑤VRC
⑥IF OUT
⑦GND
⑧+B
⑨OSC OUT

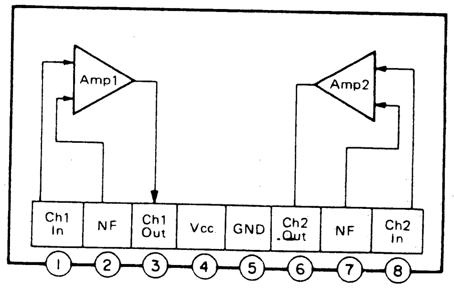
■ PA501, YEP0PTS346A0


IF Amp
Det
Mute
PNL
DeModu
ATC ASC
Det
SSC
AMDS Amp
[Vdc(V)]
⑳ GND 0
⑲ IF IN 0
⑱ Vcc 8
⑰ PNL IN 2.5
⑯ DET OUT 3.5
⑮ IF COUNTER
⑭ SSC SEEK ADJ 0
⑬ SOFT MUTE ADJ 4
⑫ ST INDI 3.7
⑪ Vcont ADJ 1.3
⑩ Vcont OUT 50m
⑨ AMDS IN 2
⑧ ASC ADJ 2
⑦ ATC CONT 0.1
⑥ Sep ADJ 0.3
⑤ ATC LPF 2
④ Rch OUT 4
③ Lch OUT 4
② Forced MONO 0
① GND 0

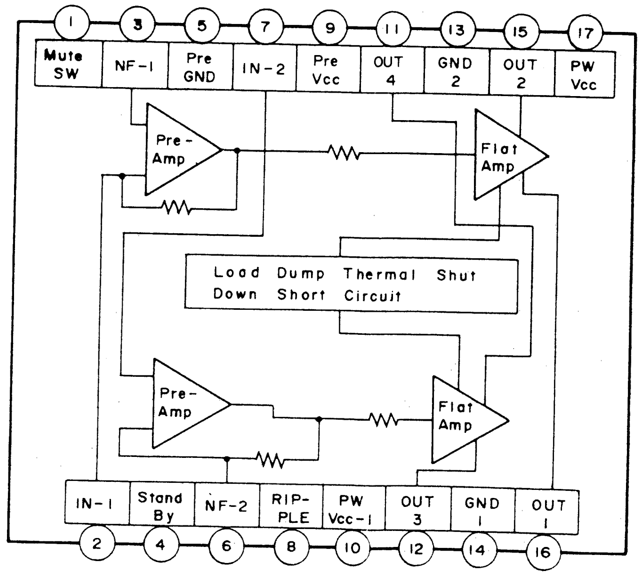
■ PA101, YEP0TS518A0


RF Amp
MIX
IF Amp
Det
OSC
Det
[Voc(V)]
⑪ AGC 0V
⑩ AGC OUT FOR ANT AMP 0V
⑨ ANT IN 0V
⑧ VARACTOR 4.4V
⑦ OSC OUT 1.85V
⑥ VSM OUT 0V
⑤ Vcc 8V 8V
④ AF OUT 0V
③ SSC 0V
② IF COUNTER OUT 0V
① SERCH SENSE 1.7V

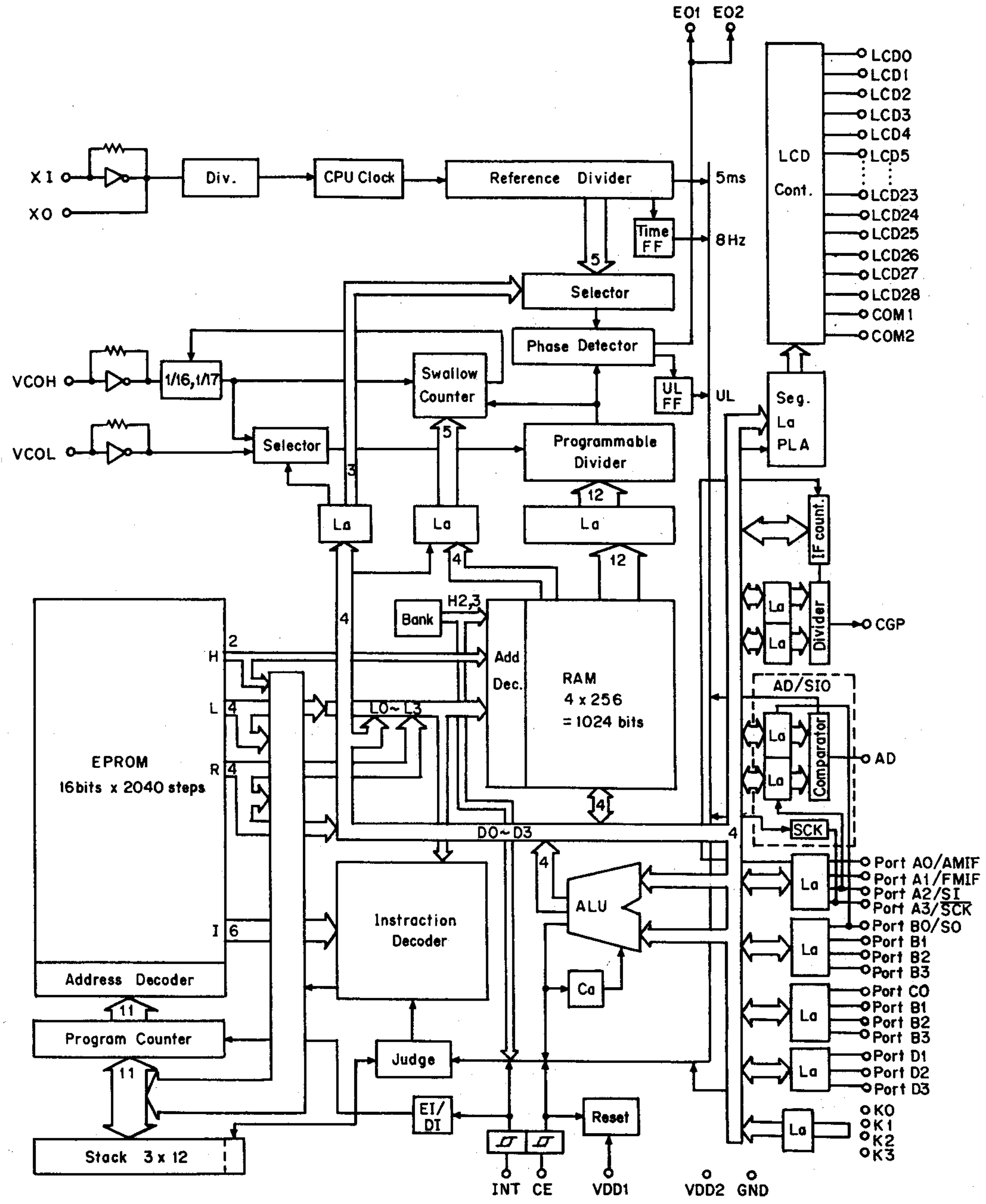
■ IC201, YEAMLA3161


Amp1
Amp2
① Ch1 In
② NF
③ Ch1 Out
④ Vcc
⑤ GND
⑥ Ch2 Out
⑦ NF
⑧ Ch2 In

■ IC251, YEAMTA8205AH


① Mute SW
③ NF-1
⑤ Pre GND
⑦ IN-2
⑨ Pre Vcc
⑪ OUT 4
⑬ GND 2
⑮ OUT 2
⑰ PW Vcc
Pre-Amp
Flat Amp
Load Dump Thermal Shut Down Short Circuit
Pre-Amp
Flat Amp
② IN-1
④ Stand By
⑥ NF-2
⑧ RIP-PLE
⑩ PW Vcc-1
⑫ OUT 3
⑭ GND 1
⑯ OUT 1

■ IC601, YEAM1723G571


E01
E02
LCD Cont.
LCD0
LCD1
LCD2
LCD3
LCD4
LCD5
LCD23
LCD24
LCD25
LCD26
LCD27
LCD28
COM1
COM2
X1
X0
Div.
CPU Clock
Reference Divider
5ms
Time FF
8Hz
5
Selector
Phase Detector
VCOH
1/16, 1/17
Swallow Counter
UL FF
UL
Seg. La PLA
VCOL
Selector
Programmable Divider
3
5
12
La
La
La
4
12
IF count.
La
La
Divider
CGP
EPROM
16bits x 2040 steps
H
2
L
4
R
4
I
6
Bank
H2,3
Add Dec.
RAM
4 x 256
= 1024 bits
L0~L3
AD/SIO
La
La
Comparator
AD
SCK
4
D0~D3
4
Port A0/AMIF
Port A1/FMIF
Port A2/SI
Port A3/SCK
Port B0/SO
Port B1
Port B2
Port B3
Port C0
Port B1
Port B2
Port B3
Port D1
Port D2
Port D3
K0
K1
K2
K3
La
La
La
La
La
Instraction Decoder
ALU
4
Ca
Address Decoder
11
Program Counter
11
Judge
EI/DI
Reset
Stack 3 x 12
INT
CE
VDD1
VDD2
GND

Replacement Parts List
Model CQ-D30ENI

NOTES :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice : Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
4. Printed circuit board assembly with mark (NLA) is no longer available after production discontinuation of the complete set.

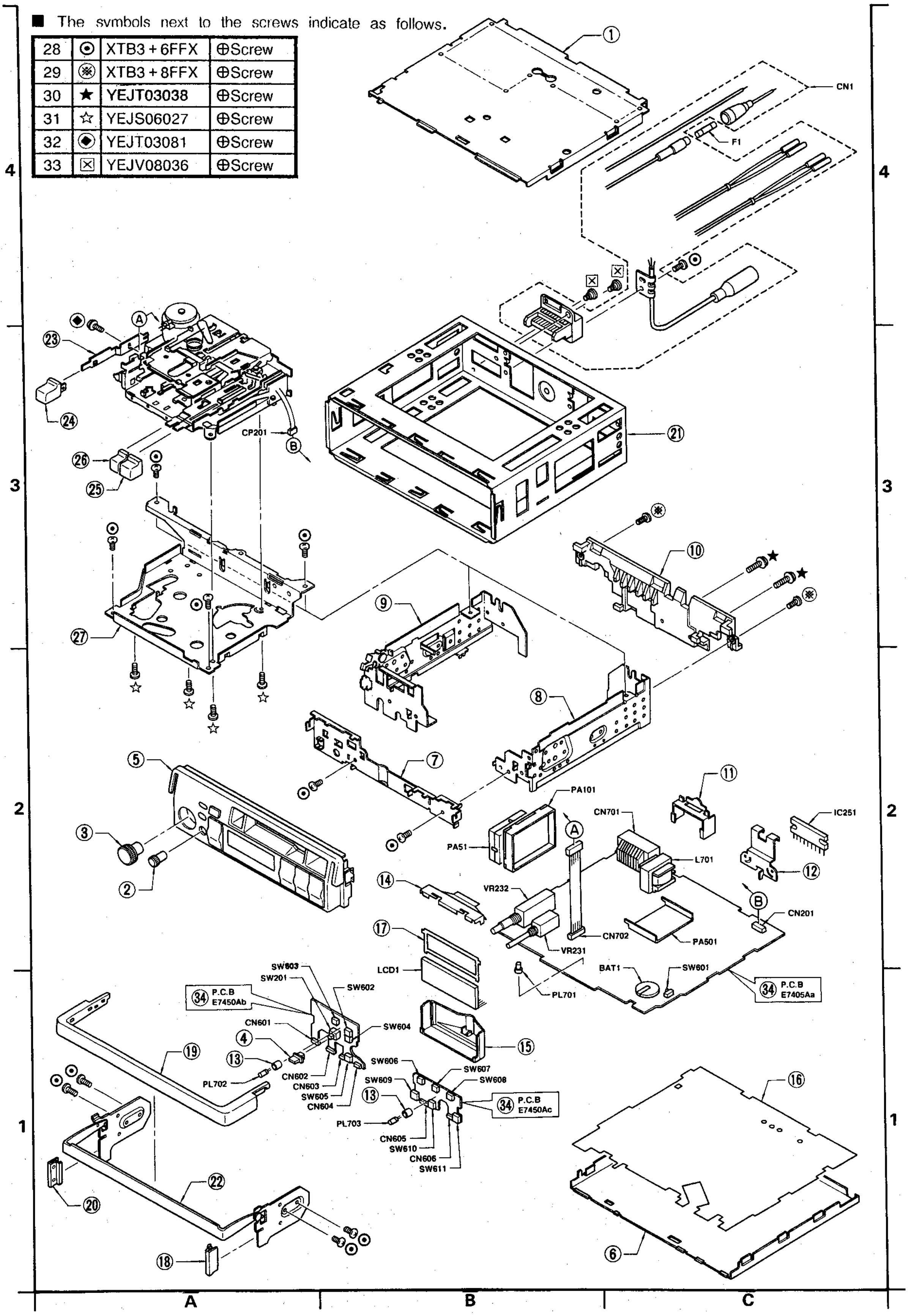
Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
MISCELLANEOUS					
F1	XBB1F50NS5		Fuse, 5A	1	
Z51	YEAL02010T		Neon Tube	1	
PL701	YEAL01078A		Pilot Lamp	1	
PL702, 703	YEAL01110		Pilot Lamp	2	
CN1	EMCQRA58B32V		12P Connector	1	
CN201	YEAEM2005SP		5P Connector	1	
CN601	YEAE0103IWK		3P Connector	1	
CN602	YEAE0105IWK		5P Connector	1	
CN603	YEAE0104IWK		4P Connector	1	
CN604	YEAE0103IWK		3P Connector	1	
CN605	YEAE0104IWK		4P Connector	1	
CN606	YEAE0103IWK		3P Connector	1	
CN701	YEAE011976		20P Connector	1	
CN702	YEAE0708MXNB		7P Connector	1	
CP201	YEAE011402		5P Connector	1	
BAT601	YEABCR2032H4		Battery	1	
1 (4-B)	YEFA031172		Upper Cover	1	
2 (2-A)	YEFE11085		Knob, BASS/TRE	1	
3 (2-A)	YEFE07434		Knob, VOL/SW	1	
4 (1-A)	YEFE133126		Button, LOUD	1	
5 (2-A)	YEFC023626		Escutcheon Assy	1	
6 (1-C)	YEFA05532		Under Cover	1	
7 (2-B)	YEFA07285		Flont Plate	1	
8 (2-B)	YEFA09358AK		Side Plate	1	
9 (2-B)	YEFA09360		Side Plate (L)	1	
10 (3-C)	YEFF01702		Heat Shink	1	
11 (2-C)	YEFX0213266		Mounting Bracket for Connector	1	
12 (2-C)	YEFX0213323		Mounting Bracket for IC	1	
13 (1-A) (1-B)	YEFK04404		Pilot Lamp Holder	2	
14 (2-B)	YEFK06515		Holder For LCD (A)	1	
15 (1-B)	YEFK06516		Holder For LCD (C)	1	
16 (1-C)	YEFV011408		Insulator	1	
17 (2-B)	YEFV021140		Shade	1	
18 (1-A)	YEFC05513		Trim Plate (R)	1	
19 (1-A)	YEFC05514		Handle Cover	1	
20 (1-A)	YEFC05517		Trim Plate (L)	1	
21 (3-B)	YEFX0213347		Quieck Relase Bracket	1	
22 (1-A)	YEX0213270		Handle Assy	1	
23 (3-A)	YEFX0461396		Eject Lever Assy	1	
24 (3-A)	YEFE133123		Button EJECT	1	
25 (1-A)	YEFE133124		Button FF	1	
26 (1-A)	YEFE133125		Button REW	1	
27 (3-A)	YEFX0213268		Mounting Bracket for Deck	1	
28 ⊙	XTB3+6FFX		Screw	11	
29 ⊛	XTB3+8FFX		Screw	2	
30 ★	YEJT03038		Screw	2	
31 ☆	YEJS06027		Screw	4	
32 ◈	YEJT03081		Screw	1	
33 ☒	YEJV08036		Screw	2	
34 (2-C) (1-A,B)	YEP0PT7405C0		PCB w/Component	1	NLA

EXPLODED VIEW MODEL CQ-D30ENI (UNIT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

■ The symbols next to the screws indicate as follows.

28	⊙	XTB3+6FFX	⊕Screw
29	⊛	XTB3+8FFX	⊕Screw
30	★	YEJT03038	⊕Screw
31	☆	YEJS06027	⊕Screw
32	◈	YEJT03081	⊕Screw
33	⊠	YEJV08036	⊕Screw



①
CN1
F1
㉓
Ⓐ
㉔
㉖
㉕
CP201
Ⓑ
㉑
㉗
⑩
⑨
⑧
⑤
⑦
③
②
PA101
⑪
CN701
IC251
PA51
Ⓐ
L701
⑫
⑭
VR232
Ⓑ
CN201
⑰
CN702
PA501
VR231
LCD1
SW603
SW201
SW602
㉞ P.C.B E7450Ab
CN601
SW604
④
⑬
⑲
PL702
CN602
CN603
SW605
CN604
SW606
SW607
SW608
SW609
⑬
㉞ P.C.B E7450Ac
PL703
CN605
SW610
CN606
SW611
⑮
⑯
BAT1
SW601
PL701
㉞ P.C.B E7405Aa
㉒
⑳
⑱
⑥
4
3
2
1
A
B
C

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
ICs & TRANSISTORS					
PA51	ENV19282G1		FM Front End	1	
PA101	YEP0PTS518A0		PCB w / Component	1	
PA501	YEP0PTS346A0		PCB w / Component	1	
IC201	YEAMLA3161		IC	1	
IC251	YEAMTA8205AH		IC	1	
IC601	YEAM1723G571		IC	1	
Q51	YEANDTC144ST		Transistor	1	
Q101	YEANDTC144ST		Transistor	1	
Q202	YEAN2SC2785		Transistor	1	
Q221	YEAN2SC2785		Transistor	1	
Q231	YEAN2SC3576T		Transistor	1	
Q302	YEAN2SC2785		Transistor	1	
Q321	YEAN2SC2785		Transistor	1	
Q331	YEAN2SC3576T		Transistor	1	
Q601	YEAN2SK583		Transistor	1	
Q603	YEAN2SA1175		Transistor	1	
Q631, 632	YEAN2SA1175		Transistor	2	
Q701	YEAN2SD1020		Transistor	1	
Q710	YEAN2SD2007		Transistor	1	
Q711, 712	YEAN2SB810		Transistor	2	
Q713, 714	YEAN2SC2785		Transistor	2	
DIODES					
D101	MA165		Diode	1	
D121	MA165		Diode	1	
D131	MA165		Diode	1	
D201	MA165		Diode	1	
D210	MA4100LM		Diode	1	
D301	MA165		Diode	1	
D501	MA165		Diode	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D503	MA150		Diode	1	
D521	MA165		Diode	1	
D531	MA165		Diode	1	
D601	MA700		Diode	1	
D602	MA165		Diode	1	
D611	MA165		Diode	1	
D612, 613	MA165		Diode	2	
D615, 616	MA165		Diode	2	
D617, 618	MA165		Diode	2	
D627	MA150		Diode	1	
D630	MA150		Diode	1	
D633	MA165		Diode	1	
D635	MA165		Diode	1	
D701	YEADDSA3A2		Diode	1	
D702	MA150		Diode	1	
D703	YEADRD56JS3T		Diode	1	
D704	YEADRD51JS3T		Diode	1	
D705	MA1100LTA		Diode	1	
D708	YEADRD51JS3T		Diode	1	
D710	YEADRD91EB2		Diode	1	
CAPACITORS					
C52	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C53	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C54	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C55	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C56	ECEA1AKS221		Electrolytic AL, 220MFD 10WV	1	
C57	ECBT1C103NS5		Ceramic, 0.01MFD 50WV	1	
C101	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C102	ECBT1C332MR5		Ceramic, 0.0033MFD 16WV	1	
C103	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C104	ECEA1AKS221		Electrolytic AL, 220MFD 10WV	1	

MODEL CQ-D30ENI

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C201	ECBT1C122MR5		Ceramic, 0.0012MFD 16WV	1	
C202	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C203	ECEA0JKS101		Electrolytic AL, 100MFD 6.3WV	1	
C204	ECQV1H273JZ		Polyester, 0.027MFD 50WV	1	
C206	ECEA1VKS4R7		Electrolytic AL, 4.7MFD 35WV	1	
C227	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C230	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C231	ECBT1C682MR5		Ceramic, 0.0068MFD 16WV	1	
C232	ECQV1H393JZ		Polyester, 0.039MFD 50WV	1	
C233	ECQV1H333JZ		Polyester, 0.033MFD 50WV	1	
C234	ECQV1H224JF2		Polyester, 0.22MFD 50WV	1	
C235	ECBT1C472MR5		Ceramic, 0.0047MFD 16WV	1	
C236	ECEA1HUR33		Electrolytic AL, 0.33MFD 50WV	1	
C251	ECEA1EKS4R7		Electrolytic AL, 4.7MFD 25WV	1	
C252	ECBT1H102KB5		Ceramic, 0.001MFD 50WV	1	
C253	ECEA0JU470		Electrolytic AL, 47MFD 6.3WV	1	
C254	ECQV1H124JZ		Polyester, 0.12MFD 50WV	1	
C255	ECQV1H124JZ		Polyester, 0.12MFD 50WV	1	
C256	ECEA1AU221		Electrolytic AL, 220MFD 10WV	1	
C271	ECEA1CU331		Electrolytic AL, 330MFD 16WV	1	
C277	ECEA1AKS221		Electrolytic AL, 220MFD 10WV	1	
C278	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C301	ECBT1C122MR5		Ceramic, 0.0012MFD 16WV	1	
C302	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C303	ECEA0JKS101		Electrolytic AL, 100MFD 6.3WV	1	
C304	ECQV1H273JZ		Polyester, 0.027MFD 50WV	1	
C306	ECEA1VKS4R7		Electrolytic AL, 4.7MFD 35WV	1	
C327	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C330	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C331	ECBT1C682MR5		Ceramic, 0.0068MFD 16WV	1	
C332	ECQV1H393JZ		Polyester, 0.039MFD 50WV	1	
C333	ECQV1H333JZ		Polyester, 0.033MFD 50WV	1	
C334	ECQV1H224JZ		Polyester, 0.22MFD 50WV	1	
C335	ECBT1C472MR5		Ceramic, 0.0047MFD 16WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C336	ECEA1HUR33		Electrolytic AL, 0.33MFD 50WV	1	
C351	ECEA1EKS4R7		Electrolytic AL, 4.7MFD 25WV	1	
C352	ECBT1H102KB5		Ceramic, 0.001MFD 50WV	1	
C353	ECEA0JU470		Electrolytic AL, 47MFD 6.3WV	1	
C354	ECQV1H124JZ		Polyester, 0.12MFD 50WV	1	
C355	ECQV1H124JZ		Polyester, 0.12MFD 50WV	1	
C501	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C502	ECQV1H104JZ		Polyester, 0.1MFD 50WV	1	
C503	ECBT1H471KB5		Ceramic, 470PF 50WV	1	
C504	ECQB1H223JZ		Polyester, 0.022MFD 50WV	1	
C505	ECQB1H103JZ		Polyester, 0.01MFD 50WV	1	
C521	ECQV1H333JZ		Polyester, 0.033MFD 50WV	1	
C531	ECQV1H333JZ		Polyester, 0.033MFD 50WV	1	
C601	ECBT1H220J5		Ceramic, 22PF 50WV	1	
C602	ECBT1H220J5		Ceramic, 22PF 50WV	1	
C603	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C604	ECEA1AKS221		Electrolytic AL, 220MFD 10WV	1	
C605	ECEA1AKS221		Electrolytic AL, 220MFD 10WV	1	
C606	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C608	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C609	ECEA1VKS4R7		Electrolytic AL, 4.7MFD 35WV	1	
C610	ECEA1AKS101		Electrolytic AL, 100MFD 10WV	1	
C611	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C613	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	
C614, 616	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	2	
C630	ECEA1VKS4R7		Electrolytic AL, 4.7MFD 35WV	1	
C631	ECEA0JKS470		Electrolytic AL, 47MFD 6.3WV	1	
C633	ECEA1CU100		Electrolytic AL, 10MFD 16WV	1	
C701	ECA1CUG222YB		Electrolytic AL, 2200MFD 16WV	1	
C702	YECCD1E103KB		Ceramic, 0.01MFD 25WV	1	
C703	ECEA1HKS010		Electrolytic AL, 1MFD 50WV	1	
C705	ECEA1AKS470		Electrolytic AL, 47MFD 10WV	1	
C710	ECEA1AKS330		Electrolytic AL, 33MFD 10WV	1	
C711	ECBT1C103NS5		Ceramic, 0.01MFD 16WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C720	YECCD1E103KB		Ceramic, 0.01MFD 25WV	1	
C721	ECEA1CU101		Electorlytic AL, 100MFD 16WV	1	
CS701	YECCL55S222T			1	

RESISTORS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R51	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R52	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R53	ERDS2TJ273		Carbon, 27K ohms 0.25W	1	
R54	ERDS2TJ271		Carbon, 270 ohms 0.25W	1	
R55	ERDS2TJ151		Carbon, 150 ohms 0.25W	1	
R56	ERD25TJ331		Carbon, 330 ohms 0.25W	1	
R57	ERD25TJ151		Carbon, 150 ohms 0.25W	1	
R101	ERDS2TJ222		Carbon, 2.2K ohms 0.25W	1	
R102, 103	ERDS2TJ103		Carbon, 10K ohms 0.25W	2	
R104	ERDS2TJ392		Carbon, 3.9K ohms 0.25W	1	
R105	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R106	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R201	ERDS2TJ333		Carbon, 33K ohms 0.25W	1	
R202	ERDS2TJ390		Carbon, 39 ohms 0.25W	1	
R203	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R204	ERDS2TJ124		Carbon, 120K ohms 0.25W	1	
R205	ERDS2TJ332		Carbon, 3.3K ohms 0.25W	1	
R208	ERDS2TJ683		Carbon, 68K ohms 0.25W	1	
R209	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R225	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R226	ERDS2TJ224		Carbon, 220K ohms 0.25W	1	
R227	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R228	ERDS2TJ820		Carbon, 82 ohms 0.25W	1	
R231	ERDS2TJ102		Carbon, 1K ohms 0.25W	1	
R232	ERDS2TJ103		Carbon, 10K ohms 0.25W	1	
R233	ERDS2TJ103		Carbon, 10K ohms 0.25W	1	
R234	ERDS2TJ182		Carbon, 1.8K ohms 0.25W	1	
R235	ERDS2TJ105		Carbon, 1M ohms 0.25W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R236	ERDS2TJ153		Carbon, 15K ohms 0.25W	1	
R237	ERDS2TJ182		Carbon, 1.8K ohms 0.25W	1	
R238	ERD25TJ221		Carbon, 220 ohms 0.25W	1	
R239	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R240	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R251	ERD25TJ122		Carbon, 1.2K ohms 0.25W	1	
R252	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R254, 255	ERDS2TJ2R2		Carbon, 2.2 ohms 0.25W	2	
R271	ERDS2TJ471		Carbon, 470 ohms 0.25W	1	
R275	ERDS2TJ391		Carbon, 390 ohms 0.25W	1	
R278	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R279	ERD25TJ682		Carbon, 6.8K ohms 0.25W	1	
R301	ERDS2TJ333		Carbon, 33K ohms 0.25W	1	
R302	ERDS2TJ390		Carbon, 39 ohms 0.25W	1	
R303	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R304	ERDS2TJ124		Carbon, 120K ohms 0.25W	1	
R305	ERDS2TJ332		Carbon, 3.3K ohms 0.25W	1	
R308	ERDS2TJ683		Carbon, 68K ohms 0.25W	1	
R309	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R325	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R326	ERDS2TJ224		Carbon, 220K ohms 0.25W	1	
R327	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R328	ERDS2TJ820		Carbon, 82 ohms 0.25W	1	
R331	ERDS2TJ102		Carbon, 1K ohms 0.25W	1	
R332	ERDS2TJ103		Carbon, 10K ohms 0.25W	1	
R333	ERDS2TJ103		Carbon, 10K ohms 0.25W	1	
R334	ERDS2TJ182		Carbon, 1.8K ohms 0.25W	1	
R335	ERDS2TJ105		Carbon, 1M ohms 0.25W	1	
R336	ERDS2TJ153		Carbon, 15K ohms 0.25W	1	
R337	ERDS2TJ182		Carbon, 1.8K ohms 0.25W	1	
R338	ERD25TJ221		Carbon, 220 ohms 0.25W	1	
R339	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	
R340	ERDS2TJ122		Carbon, 1.2K ohms 0.25W	1	
R351	ERD25TJ122		Carbon, 1.2K ohms 0.25W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R352	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R354, 355	ERDS2TJ2R2		Carbon, 2.2 ohms 0.25W	2	
R501	ERDS2TJ273		Carbon, 27K ohms 0.25W	1	
R502	ERD25TJ103		Carbon, 10K ohms 0.25W	1	
R503	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R504	ERDS2TJ273		Carbon, 27K ohms 0.25W	1	
R506	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R507	ERDS2TJ224		Carbon, 220K ohms 0.25W	1	
R508	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R509	ERDS2TJ393		Carbon, 39K ohms 0.25W	1	
R510	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R521	ERDS2TJ392		Carbon, 3.9K ohms 0.25W	1	
R531	ERDS2TJ392		Carbon, 3.9K ohms 0.25W	1	
R601	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R602	ERDS2TJ152		Carbon, 1.5K ohms 0.25W	1	
R603	ERDS2TJ152		Carbon, 1.5K ohms 0.25W	1	
R604	ERDS2TJ471		Carbon, 470 ohms 0.25W	1	
R605	ERDS2TJ152		Carbon, 1.5K ohms 0.25W	1	
R606	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R608	ERDS2TJ563		Carbon, 56K ohms 0.25W	1	
R609	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R611	ERD25TJ105		Carbon, 1M ohms 0.25W	1	
R614	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R615	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R616	ERD25TJ103		Carbon, 10K ohms 0.25W	1	
R621	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R624	ERDS2TJ104		Carbon, 100K ohms 0.25W	1	
R630, 631	ERDS2TJ103		Carbon, 10K ohms 0.25W	2	
R632	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R633	ERDS2TJ472		Carbon, 4.7K ohms 0.25W	1	
R634	ERDS2TJ222		Carbon, 2.2K ohms 0.25W	1	
R635	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R637	ERDS2TJ102		Carbon, 1K ohms 0.25W	1	
R638	ERDS2TJ223		Carbon, 22K ohms 0.25W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R639	ERDS2TJ5R6		Carbon, 5.6 ohms 0.25W	1	
R640	ERDS2TJ562		Carbon, 5.6K ohms 0.25W	1	
R672	ERD25TJ104		Carbon, 100K ohms 0.25W	1	
R673	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R701	ERD25FJ1R0		Carbon, 1 ohm 0.25W	1	
R702	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R703	ERDS2TJ103		Carbon, 10K ohms 0.25W	1	
R704	ERDS2TJ823		Carbon, 82K ohms 0.25W	1	
R705	ERDS2TJ181		Carbon, 180 ohms 0.25W	1	
R707	ERDS1FJ4R7		Carbon, 4.7 ohms 0.25W	1	
R708	ERDS2TJ681		Carbon, 680 ohms 0.25W	1	
R710	ERDS1FJ2R2		Carbon, 2.2 ohms 0.25W	1	
R711	ERDS2TJ221		Carbon, 220 ohms 0.25W	1	
R712	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R713	ERDS2TJ102		Carbon, 1K ohms 0.25W	1	
R714	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R715	ERDS2TJ102		Carbon, 1K ohms 0.25W	1	
R716	ERDS2TJ473		Carbon, 47K ohms 0.25W	1	
R717	ERDS2TJ224		Carbon, 220K ohms 0.25W	1	
R721	ERDS1FJ2R7		Carbon, 2.7 ohms 0.5W	1	

SWITCHES

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
SW201	ESB64501		Loudness	1	
SW601	YEAS07169		Battery ON/OFF	1	
SW602 to 611	EVQ21505R		Preset	10	

CRYSTAL

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
XL601	YEXL49U0450T		Crystal	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
COIL					
L701	YETQ026F115		Choke Coil	1	
LCD					
LCD1	YEXDCM1017		LCD	1	
VARIABLE SRESISTORS					
VR231	EVUSLA031B15		100K ohms	1	
VR232	EVUVCB226869		100K ohms	1	
VR501	EVNDXAA00B24		20K ohms	1	
VR502	EVNDXAA00B53		5K ohms	1	
PRINTING					
	YEFM281857		Operating Instruction	1	
INSTALLATION PARTS					
2	YEFG04019		Rear Support Strap	1	
3	XVG5C25FX		Hex Bolt (5mmφ×25mm)	1	
4	XNG5AFX		Hex, Nut	2	
5	XWA5BFX		Spring Washer	2	
6	XWG5FX		Plain Washer (5mmφ)	2	
7	XWC5CFX		Tootherd Lock Washer (5mmφ)	1	
8	YEJV01060		Mounting Bolt (5mmφ)	1	

MODEL CQ-D30ENI

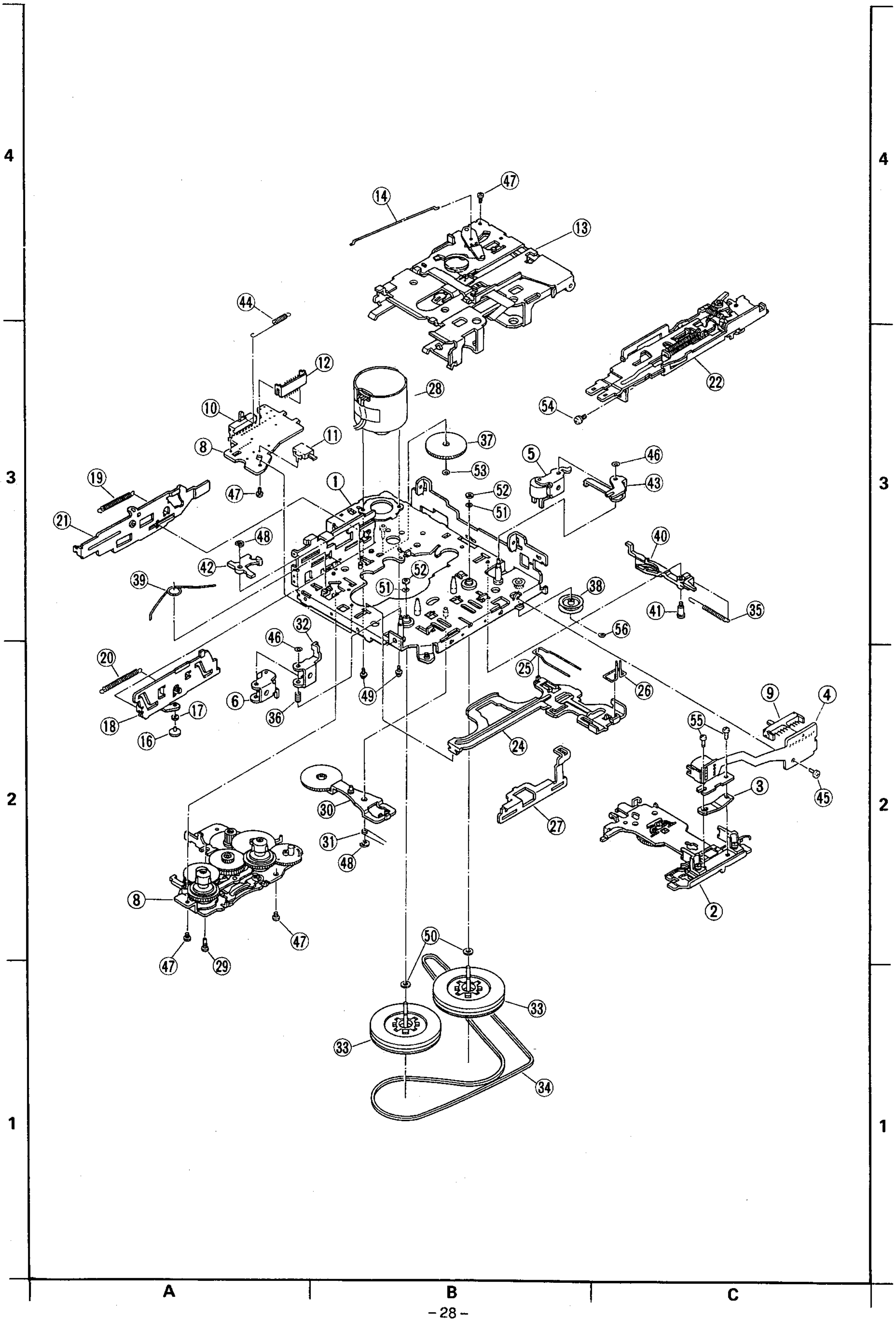
Ref. No.		Part No.	Part Code	Part Name & Description	Pcs set	Remarks
TAPE PLAYER PARTS						TN-707H-145 440 91.6.18
1	(3-B)	YEFA011365		Chassis Ass'y	1	
2	(2-C)	YEP0FX1479		Head Panel Ass'y	1	
3	(2-C)	YEFX0051533		Head Spring	1	
4	(2-C)	YEAHMRKF019		Head Ass'y w/PCB	1	
5	(3-B)	YEFX249359		Pinch Roller Arm (F) Ass'y	1	
6	(2-A)	YEFX249360		Pinch Roller Arm (R) Ass'y	1	
7	(2-A)	YEP0FX1480		Main Gear Plate Ass'y	1	
8	(3-A)	YEAP5818		PCB for Switch	1	
9	(2-C)	YEAS07161		Switch	1	
10	(3-A)	YEAS07162		Switch	1	
11	(3-B)	YEAS08035		Switch	1	
12	(3-B)	YEAE012017		Connector	1	
13	(4-B)	YEP0FX1481		Cassette Case Ass'y	1	
14	(4-B)	YEFX005973		P.E Spring	1	
16	(2-A)	YEFX218255		H.P Roller (A)	1	
17	(2-A)	YEFX218256		H.P Roller (B)	1	
18	(2-A)	YEFX0461254		C.H Push Plate	1	
19	(2-A)	YEFX0051535		Push Lever Spring	1	
20	(3-A)	YEFX0051534		C.H Spring	1	
21	(3-A)	YEFX0461255		Push Lever	1	
22	(3-C)	YEP0FX1860		FR Lever Ass'y	1	
24	(2-B)	YEFX0461256		Main Plate	1	
25	(2-B)	YEFX0051536		M.S Spring	1	
26	(2-C)	YEFX0051537		H.S Spring	1	
27	(2-B)	YEFX0461258		FR Solenoid Plate	1	
28	(3-B)	YEAK01021		Motor Ass'y (1940-11-304)	1	
29	(2-A)	YEJS06129		Collar Screw (W)	1	
30	(2-B)	YEFX0461861		FR Working Plate Ass'y	1	
31	(2-B)	YEFX0051757		FR Spring	1	
32	(2-B)	YEFX249364		H.P Return Arm	1	
33	(1-B)	YEFX213198		Flywheel Ass'y	2	
34	(1-B)	YEFR03074		Main Belt	1	

MODEL CQ-D30ENI

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
35 (3-C)	YEFX0051542		T.A Spring (C)	1	
36 (2-A)	YEFX0051539		P.P Spring	1	
37 (3-B)	YEFX003510		Main Gear	1	
38 (3-B)	YEFX026120		Middled Pulley	1	
39 (3-A)	YEFX0051540		Head Panel Spring	1	
40 (3-C)	YEFX249361		Trigger Arm (C)	1	
41 (3-C)	YEJS06128		Collar Screw (T)	1	
42 (2-A)	YEFX249362		H.P Push Arm	1	
43 (3-C)	YEFX249363		Seesaw Working Plate	1	
44 (4-A)	YEFX0051541		Power Switch Spring	1	
45 (2-C)	YEJT03117		Screw Tapping 2mm × 4	1	
46	YEFX014052		Snap Ring	2	
47	YEJT03118		Screw Tapping 2mm × 3mm	4	
48(2-B)(3-A)	YEJE01027		E-Ring 2mm	2	
49 (2-B)	YEJS06130		Screw 2mm × 3mm	2	
50(1-B)(2-B)	YEJW05102		Washer 2.1mm × 5mm × 0.13mm	2	
51 (3-B)	YEJW05103		Washer 1.85 × 3.2 × 0.2	2	
52 (3-B)	YEJW05104		Washer 1.5 × 3.2 × 0.5	2	
53 (3-B)	YEFX014053		Washer 1.2 × 3 × 0.25	1	
54 (3-B)	YEJS06131		Screw Tamas 2.5mm × 4mm	1	
55 (2-C)	YEJS06132		Screw	2	
56 (4-C)	YEJS06133		Screw	1	

EXPLODED VIEW MODEL CQ-D30ENI (DECK)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST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